

Chamundeshwari Electricity Supply Corporation Limited

Estimate/Comparative Abstract

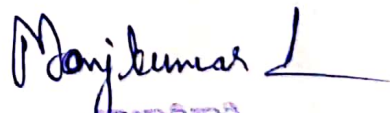
Est.No & Date.: Mk-180 / 12-04-2024

Estimate for Shifting of HT/LT line with existing DTCs as per request of AEE, National Highway holarasipura sub division, due to Construction of Bypass to the Holarasipura town from Chittanahalli (Ichanahalli Koppalu) to Kongalabeedu (K B Koppalu) village in B.S.Hally section of Holarasipura sub-division.(Under Self Execution Work)

Part A : Shifting of 11 KV& LT line

Sl.No	Materials	Unit	Qty	As per 2023-24 CESC SR			
				Material Cost		Labour Cost	
				Rate	Amount	Rate	Amount
1	Release and Refixing of RCC pole 9 mtr long,145Kg WL	Nos	8	0	0.00	1742	26478.40
2	Release and Refixing of PSC pole 9 mtr long,200Kg WL	Nos	7	0	0.00	1742	23168.60
3	Release and Refixing of 11 kV Horizontal cross arm	Set	16	0	0.00	272	8268.80
4	Release and Refixing of D.P.Structure with 9 mtr RCC Poles	Set	1	0	0.00	5392	10244.80
5	Release and Refixing of 4 pin cross arms	Nos	20	0	0.00	160	6080.00
6	Release and Refixing Rabbit Conductor	Km	4.410	0	0.00	4361	36540.82
7	Pre -Stressed Tubular Spun pole 11m long 500kg wl	Nos	25	17702	442550.00	4449	111225.00
8	RCC pole 9 mtr long,145Kg WL	Nos	21	7076	148596.00	1742	36582.00
9	PSC pole 9 mtr long,200Kg WL	Nos	24	4199	100776.00	1742	41808.00
10	4 pin cross arm for RCC poles	Nos	18	423	7614.00	160	2880.00
11	PSC pole 8 mtr long, (For Stud +2 two pin X arms)	Nos	10	4231	42310.00	1585	15850.00
12	4 pin cross arm for PSC poles	Nos	15	420	6300.00	160	2400.00
13	Special 3 pin cross arm with clamp,Bolt & Nuts	Set	20	1094	21880.00	362	7240.00
14	1.1KV Pin Insulator with GI Pins	Nos	60	66	3960.00	0	0.00
15	11 kV Horizontal cross arm for RCC poles	Set	40	646	25840.00	272	10880.00
16	No.8 strain insulators	Nos	72	27	1944.00	0	0.00
17	11 kV Horizontal cross arm for PSC poles	Set	24	643	15432.00	272	6528.00
18	D.P.Structure with 9 mtr RCC Poles	Set	0	20928	0.00	5392	0.00
19	45 kN Disc Polymeric insulator	Nos	120	186	22320.00	0	0.00
20	11KV Pin Polymeric Insulators	Nos	75	205	15375.00	0	0.00
21	Guy set complete	Set	20	1170	23400.00	593	11860.00
22	Spiral earth electrode	Set	58	239	13862.00	93	5394.00
23	Road Guarding Set (with 2 four pin cross arms)	set/60mt	9	5580	50220.00	4728.02	42552.18
24	Rabbit Conductor with 1.5% Sag	Km	7.040	46234	325487.36	4361	30701.44
25	PG Clamps for Rabbit conductor	Nos	0	102	0.00	0	0.00
26	Misc				0.00		0.00
Total					1267866.36		436682.04


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Part C : Shifting of 1X25 KVA DTC (DPMT)-4nos							
As per 2023-24 CESC SR							
Sl.No	Materials	Unit	Qty	Material Cost		Labour Cost	
				Rate	Amount	Rate	Amount
1	Release and Refixing of Double Pole structure for mounting Distribution Transformer using 9mtr RCC poles	Nos	4	0	0.00	6983	53070.80
2	Release and Refixing of 11kV/433Volts, 3 phase, 50 Hz, BEE 4 star rated 25 KVA DTR with Oil, Off load tap changer.	Nos	4	0	0.00	1193	9066.80
3	Release and Refixing of 11 kV lightning Arrester, Metal oxide, 9 kV, 5 kA	Set	12	0	0.00	119	2713.20
4	Release and Refixing of LT Protection kit for 25KVA	Kit	4	0	0.00	356	2705.60
5	Release and Refixing of For 25 kva DTC single LT wiring kit	set	4	0	0.00	150	1140.00
6	Release and Refixing of HG Fuse, 11 kV Solid Core Type	Set	4	0	0.00	237	1801.20
7	Release and Refixing of 11kv 200 Amp Single Break GOS	set	4	0	0.00	1104	8390.40
8	Release and Refixing of H frame set	set	4	0	0.00	323	2454.80
9	Earthing materials pipe type for grounding as per Drawing No. BESCOM/GM/CP/15 & 34/Dt: 24.10.07.	Unit	12	1729	20748.00	949	11388.00
10	Guy set complete	Set	16	1170	18720.00	593	9488.00
11	Anti Climbing Device (12 Mtr GI Barbed Wire) Lumpsum	Nos	8	89	712.00	42	336.00
12	Guy wire 7/10 SWG	Kg	40	77.226	3089.04	0	0.00
13	GI Wire 8 SWG	Kg	40	75.040	3001.60	0	0.00
14	Misc	L/s			0.00		0.00
Total					46270.64		102554.80
Part D : Decommissioning of Assets							
As per 2023-24 CESC SR							
Sl.No	Materials	Unit	Qty	Labour Cost			
				Rate	per rate	Amount	credit to store
1	Releasing of Single Pole structure for mounting Distribution Transformer using 9mtr RCC pole	Nos	3	6983	0.90	18854	
2	Releasing of RCC pole 9 mtr long, 145Kg WL	Nos	2	1742	0.90	3136	
3	Releasing of PSC pole 9 mtr long, 200Kg WL	Nos	8	1742	0.90	12542	
4	Releasing of RCC pole 8 mtr long, 115Kg WL	Nos	9	1425	0.90	11543	
5	Releasing of PSC pole 8 mtr long, 200Kg WL	Nos	12	1425	0.90	15390	
6	Releasing of 11 kV Horizontal cross arm	Set	12	272	0.90	2938	
7	Releasing 4 pin cross arm for PSC poles	Nos	4	160	0.90	576	
8	Releasing wessel Conductor	Km	6.200	3180	0.90	17744	
9	Releasing Rabbit Conductor	Km	0.100	4361	0.90	392	
10	Misc	L/s	0		0.00	0	
Total						83115.09	

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 ಹೊಸಪೇಟೆ

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 ಇಂಜಿನಿಯರಿಂಗ್ ವಿಭಾಗ
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Abstract					
Sl.No	Materials	Unit	Qty	Material Cost	Labour Cost
1	Part A Shifting of 11 KV / LT Line	Km	1.47	1267866.36	436682.04
2	Part B Shifting with Replacement of 1X25 KVA DTC (SPMT)-3nos	Set	3	192226.38	53961.60
3	Part C Shifting of 1X25 KVA DTC (DPMT)-4nos	Set	4	46270.64	102554.80
4	Part D Decommissioning of Assets	kg		0.00	83115.09
	Total			1506363.38	676313.53
4	Material Cost (Exclusive of GST)				676313.53
5	Labour Charges (Exclusive of GST)				2182676.91
6	Basic Rate (Sum of SI No. 1 & 2)				0.00
7	Area Specific Loading on Basic Rates (SI No. 3) wherever applicable				392881.84
8	Applicable GST on SI No. 3 & 4				2575558.75
9	Cost of Estimate (Sum of SI No. 3 to 5)(Amount Put To Tender)				0.00
10	Statutory Charges as per actuals				2575558.75
11	Total Cost of Estimate (Sum of SI No. 6 & 7)- Part A+B				15000.00
12	Electrical inspectrate charges				2590559 /-
Total Estimate Cost/Total Award Cost				2590559 /-	

Certificate :-Certified that I have personally visited the spot & prepared this estimate using current SR to execute the work in most Economical and safe way.

Report : This estimate amounting to **Rs.2590559 /-** Is prepared for Shifting of HT/LT line with existing DTCs as per request of AEE, National Highway holenasarasipura sub division, due to Construction of Bypass to the Holenasarasipura town from Chittanahalli (Ichanahalli Koppalu) to Kongalabeedu (K B Koppalu) village in B.S.Hally section of Holenasarasipura sub-division.(Under Self Execution Work)

The proposed shift 11kv line from point 1.47*3 k.mtr with 0.28*3km required for shift As shown in sketch.

The proposed shift with Replace weasel by Rabbit LT line from of 1.150*4 k.mtr with As shown in sketch.

The proposed shift with Replace 3 Nos SPMT DTC to DPMT dte As shown in sketch. Dtc-1,3,4

The proposed shift 4 Nos DPMT dte As shown in sketch.dtc-2,5,6,7

The proposed 17 nos of Spun poles required for shift As shown in sketch.And one DP set to be shift as shown in sketch.

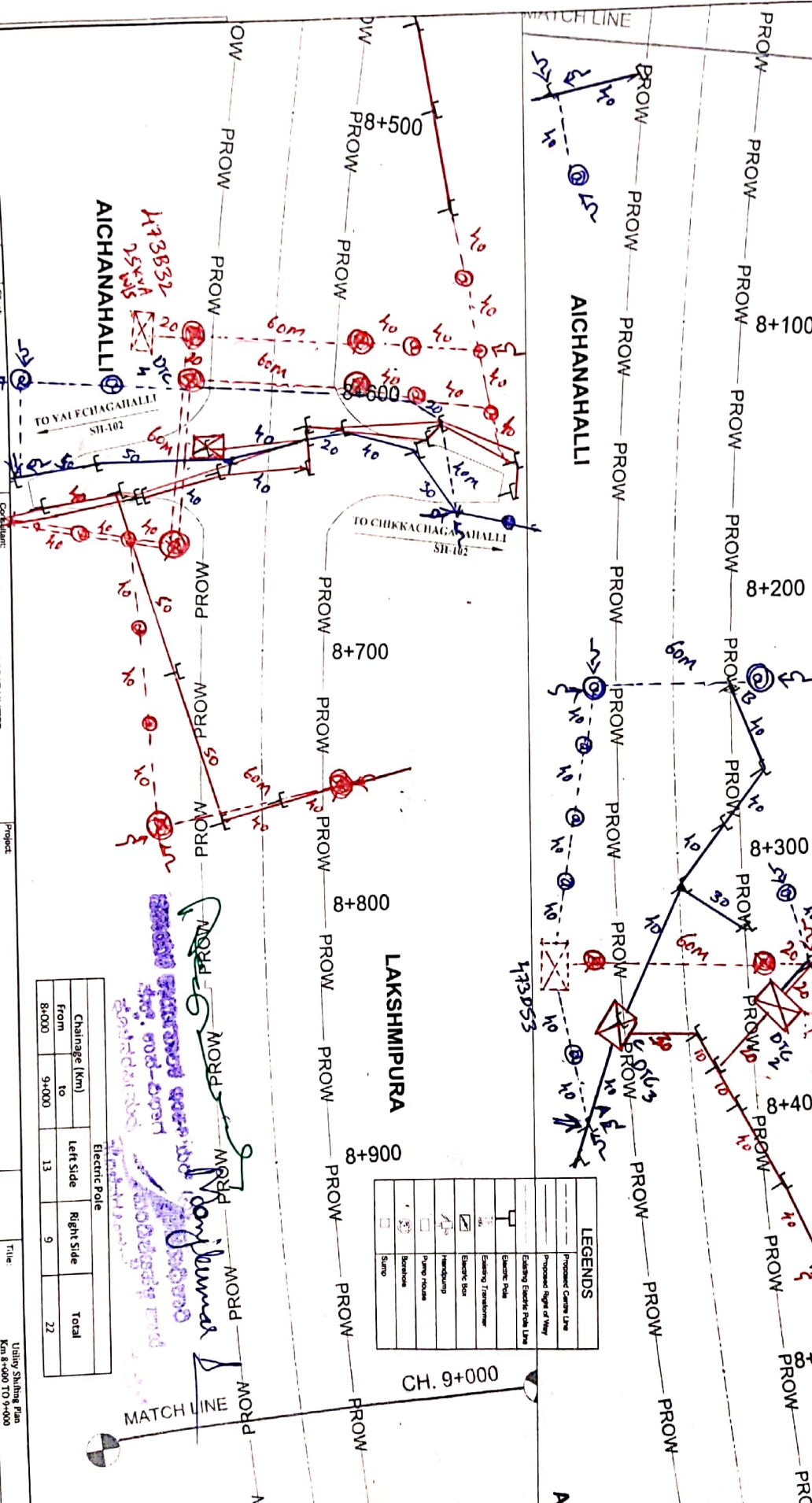
The proposed 9 Nos of Road guarding as shown in sketch.

For the above proposal required materials and labour cost has made provision in the estimate and the LT sketch, proposed works sketch, and other supporting papers are enclosed.


Section Officer
O&M Section
B S Halli


Assistant Executive Engineer(Ele)
O&M Sub-division
HN Pura

CH. 8+000



AICHANAHALLI

LAKSHMIPURA

LEGENDS	
	Proposed Center Line
	Proposed Right of Way
	Existing Center Line
	Electric Pole
	Existing Transformer
	Electric Box
	Hand Pump
	Pump House
	Borehole
	Stamp

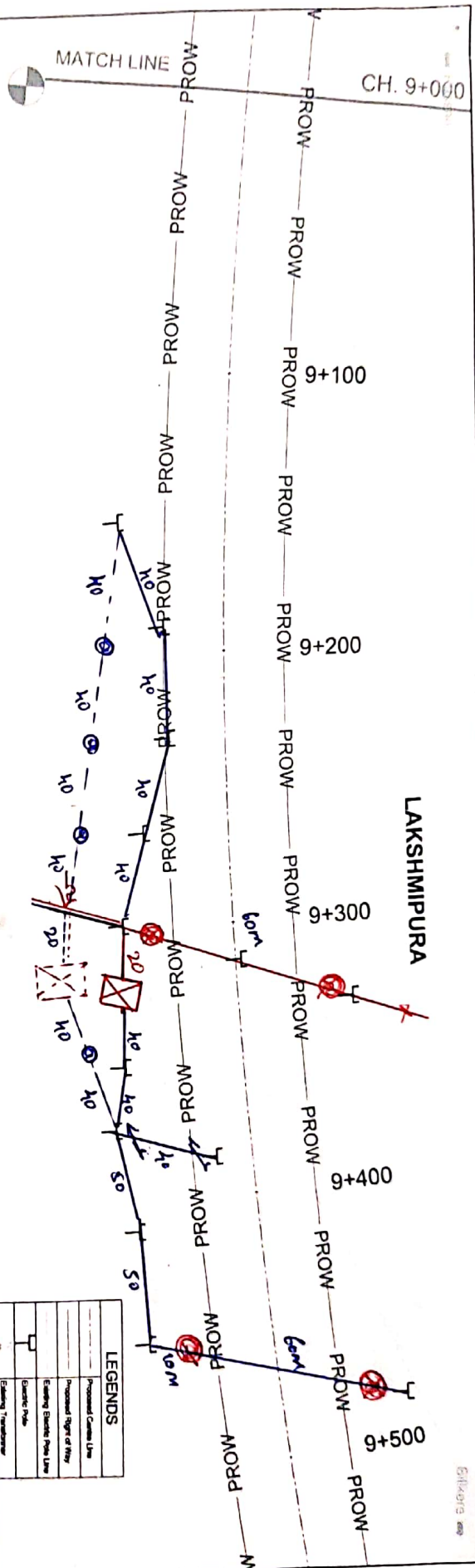
Chainage (km)		Electric Pole		Total	
From	To	Left Side	Right Side		
8+000	9+000	13	9		22

Client
PWD - National Highways,
Hassan Division
(Government of Karnataka)

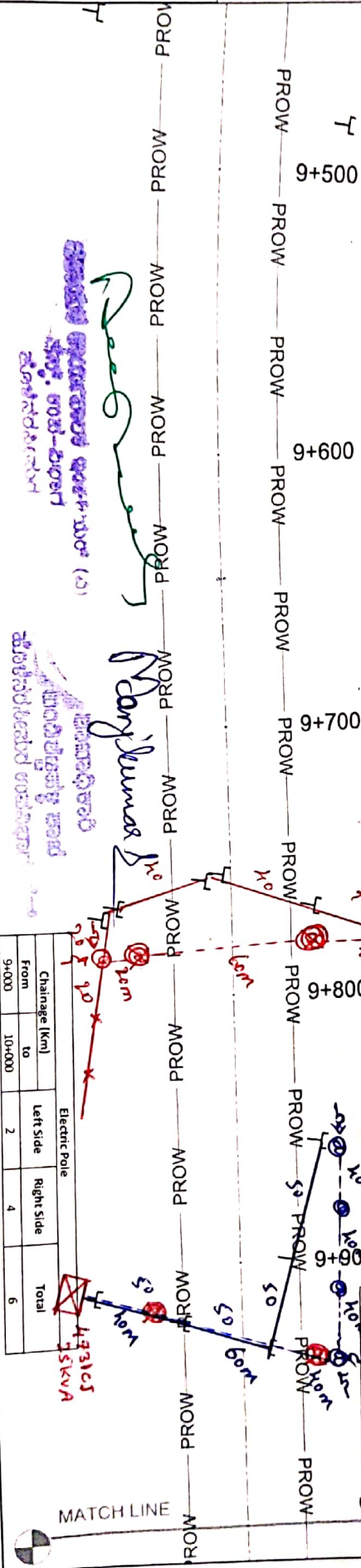
Consultant
INDIAN TECHNOCRAT LIMITED
In Association with
Visara Infra Consultants
New Delhi - 110 070 Ph. - 01-49531100.
Email: info@iti.in

Project
Construction of Bypass to the Hidenarsipura Town from km 8/280
(near Chiknahalli) to km 9/580 (near Hulanalli) on NH-373 in the
State of Karnataka on EPC mode under NH(C) Annual Plan 2023-24

Title		Utility Shifting Plan	
Km 8+000 TO 9+000			
DATE: 03.01.2024	SCALE:	SHEET NO:	REV: 01
DESIGN:	DRAWN:	CHECKED:	APPROVED:
TC			



LAKSHMIPURA

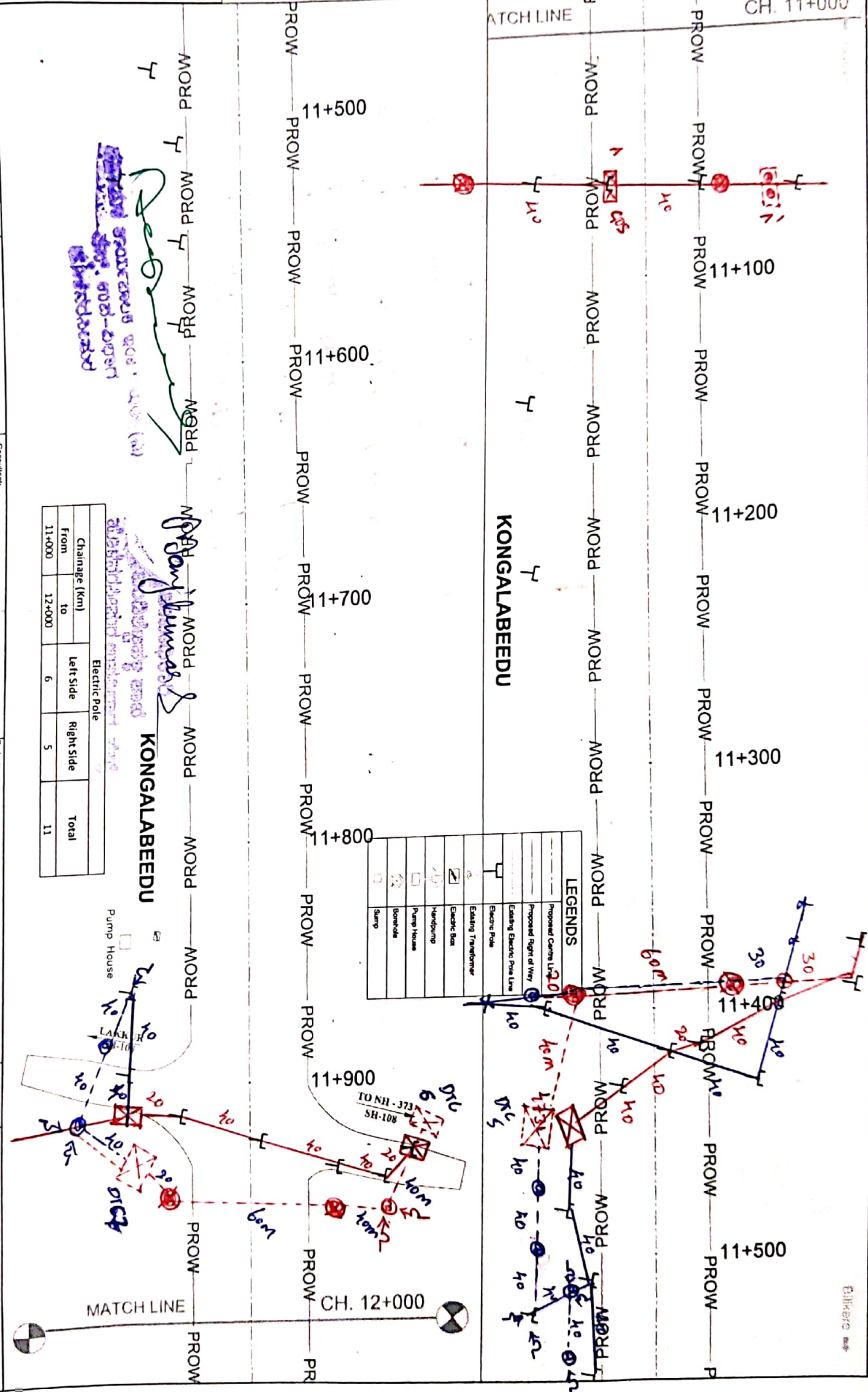


LEGENDS	
	Proposed Center Line
	Proposed Right of Way
	Existing Electric Pole Line
	Electric Pole
	Existing Transformer
	Electric Box
	Handover
	Pump House
	Busbar
	Lamp

Change (km)		Electric Pole		Total
From	To	Left Side	Right Side	
9+000	10+000	2	4	6

Client		PWD- National Highways, Hassan Division (Government of Karnataka)	
Consultant		INDIAN TECHNOCRAT LIMITED In Association with Visdara Infra Consultants New Delhi - 110 070 Ph: 011-48531100 Email: info@itl.net.in	
Project		Construction of Bypass to the Holarasipura Town from Km 8.280 (near Chikkanavalli) to Km 9.580 (near Holarasipura) on NH-53 in the State of Karnataka on EPC mode under NHIO Annual Plan 2023-24	
Title		Utility Shifting Plan Km 9+000 TO 10+000	
DESIGN	DRAWN	CHECKED	APPROVED
DATE: 03.01.2024	SCALE: 1:1000	SHEET NO:	REV: 01

NO. 103.01.24 INITIAL SUBMISSION		DATE	REVISION/REWORK	DATE	REVISION/REWORK	DATE	REVISION/REWORK
Client:		P.W.D.- National Highways, Hassan Division (Government of Karnataka)					
Consultant:		INDIAN TECHNOCRAT LIMITED In Association with Visaara Infra Consultants New Delhi - 110 070 Ph. : 011-48531100. Email: info@itlindia.in					
Project:		Construction of Bypass to the Holarasipura Town from Km 8/280 (near Chikanehalli) to Km 9/580 (Near Halahalli) on NH-373 in the State of Karnataka on EPC mode under NH(O) Annual Plan 2023-24					
Title:		Utility Siting Plan Km 11+000 TO 12+000					
DATE: 03.07.2024		SCALE:		SHEET NO.		REV: 00	
DESIGN		DRAWN		CHECKED		APPROVED	



Index	
☒	Existing DTC
☒	Proposed to shift place of DTC
—	Existing HT line
—⊙—	Proposed shift HT line by 9mtr R/L/DSC
—⊙—	Proposed to shift HT/HT via span pole
—	Existing LT line
—⊙—	Proposed shift LT line
→	Proposed by set
⇒	Proposed stud poles
↘	Proposed by set.


 Raj Kumar
 Assistant Engineer
 P.W.D. Deptt.
 District Engineer's Office
 District Engineer's Office

Raj Kumar
 Assistant Engineer
 P.W.D. Deptt.
 District Engineer's Office
 District Engineer's Office

Chamundeshwari Electricity Supply Corporation Limited

Estimate/Comparative Abstract

Est.No & Date:- **MSM-324 Dt-14-01-2024**

Estimate for Shifting of HT/LT line with existing DTCs as per request of AEE, National Highway holenarasipura sub division, due to Construction of Bypass to the Holenarasipura town from Kongalabeedu (K B Koppalu) to Peddanahalli village in Doddakadanur section of Holenarasipura sub-division.(Under Self Execution Work)

Part A : Shifting of 11 KV& LT line

Sl.No	Materials	Unit	Qty	As per 2023-24 CESC SR			
				Material Cost		Labour Cost	
				Rate	Amount	Rate	Amount
1	Relese and Refixing of RCC pole 9 mtr long,145Kg WL	Nos	15	0	0.00	1742	49647.00
2	Relese and Refixing of PSC pole 9 mtr long,200Kg WL	Nos	15	0	0.00	1742	49647.00
3	Relese and Refixing of 11 kv Horizontal cross arm	Set	45	0	0.00	272	23256.00
4	Relese and Refixing of D.P.Structure with 9 mtr RCC Poles	Set	1	0	0.00	5392	10244.80
5	Relese and Refixing of 4 pin cross arms	Nos	30	0	0.00	160	9120.00
6	Relese and Refixing Rabbit Conductor	Km	2.400	0	0.00	4361	19886.16
7	Pre -Stressed Tubular Spun pole 11m long 500kg wl	Nos	12	17702	212424.00	4449	53388.00
8	RCC pole 9 mtr long,145Kg WL	Nos	5	7076	35380.00	1742	8710.00
9	PSC pole 9 mtr long,200Kg WL	Nos	10	4199	41990.00	1742	17420.00
10	4 pin cross arm for RCC poles	Nos	60	423	25380.00	160	9600.00
11	PSC pole 8 mtr long, (For Stud +2 two pin X arms)	Nos	10	4231	42310.00	1585	15850.00
12	4 pin cross arm for PSC poles	Nos	20	420	8400.00	160	3200.00
13	Special 3 pin cross arm with clamp,Bolt & Nuts	Set	2	1094	2188.00	362	724.00
14	1.1KV Pin Insulator with GI Pins	Nos	20	66	1320.00	0	0.00
15	11 kV Horizontal cross arm for RCC poles	Set	10	646	6460.00	272	2720.00
16	No.8 strain insulators	Nos	25	27	675.00	0	0.00
17	11 kV Horizontal cross arm for PSC poles	Set	10	643	6430.00	272	2720.00
18	D.P.Structure with 9 mtr RCC Poles	Set	0	20928	0.00	5392	0.00
19	45 kN Disc Polymeric insulator	Nos	30	186	5580.00	0	0.00
20	11KV Pin Polymeric Insulators	Nos	30	205	6150.00	0	0.00
21	Guy set complete	Set	10	1170	11700.00	593	5930.00
22	Spiral earth electrode	Set	40	239	9560.00	93	3720.00
23	Road Guarding Set (with 2 four pin cross arms)	set/60mt	2	5580	11160.00	4728.02	9456.04
24	Rabbit Conductor with 1.5% Sag	Km	1.600	46234	73974.40	4361	6977.60
25	PG Clamps for Rabbit conductor	Nos	10	102	1020.00	0	0.00
26	Misc				0.00		0.00
Total					502101.40		302216.60

M.S. Manohara
 ಅಧ್ಯಕ್ಷರು
 ಕಾರ್ಯದರ್ಶಿ ನಿರ್ದೇಶಕರ ಕಛೇರಿ
 ಕೆ.ಎ. ದೊಡ್ಡಕದನೂರು

ಶಾಂತಲಕ್ಷ್ಮಿ ಕುಮಾರ್
 ಕೆ.ಎ. ಕಾರ್ಯ-ನಿರ್ದೇಶಕರ ಕಛೇರಿ
 ಕೆ.ಎ. ದೊಡ್ಡಕದನೂರು

Part B : Shifting with Replacement of 1X25 KVA DTC (SPMT)-3nos

Sl.No	Materials	Unit	Qty	As per 2023-24 CESC SR			
				Material Cost		Labour Cost	
				Rate	Amount	Rate	Amount
1	Release and Refixing of 11kV/433Volts, 3 phase, 50 Hz, BEE 4 star rated 25 KVA DTR with Oil,Off load tap changer.	Nos	0	0	0.00	1193	0.00
2	Release and Refixing of 11 kV lightning Arrester , Metal oxide, 9 kV, 5 kA	Set	0	0	0.00	119	0.00
3	Release and Refixing of LT Protection kit for	Kit	0	0	0.00	356	0.00
4	Release and Refixing of For 25 kva DTC single LT wiring kit	set	0	0	0.00	150	0.00
5	Double Pole structure for mounting Distribution Transformer using 9mtr RCC poles	Nos	0	31554	0.00	6983	0.00
6	11kV Pin Polymeric insulators	Nos	0	205	0.00	0	0.00
7	45 kN Disc Polymeric insulator	Nos	0	186	0.00	0	0.00
8	Guy set complete	Set	0	1170	0.00	593	0.00
9	Earthing materials pipe type for grounding as per Drawing No. BESCOM/GM/CP/15 & 34/Dt: 24.10.07.	Unit	0	1729	0.00	949	0.00
10	Caution/Danger Board	Nos	0	150	0.00	0	0.00
11	Anti Climbing Device (12 Mtr GI Barbed Wire) Lumpsum	Nos	0	89	0.00	42	0.00
12	GI Wire 8 SWG	Kg	0	75.040	0.00	0	0.00
13	Guy wire 7/10 SWG	Kg	0	77.226	0.00	0	0.00
14	11 kV lightning Arrester , Metal oxide, 9 kV, 5 kA	Set	0	920	0.00	119	0.00
15	LT Protection kit for 25KVA	Kit	0	2023	0.00	356	0.00
16	For 25 kva DTC single LT wiring kit	set	0	1478	0.00	150	0.00
17	PG Clamps for Rabbit conductor	Nos	0	102	0.00	0	0.00
18	HG Fuse, 11 kV Solid Core Type	Set	0	1069	0.00	237	0.00
19	11kv 200 Amp Single Break GOS	set	0	9450	0.00	1104	0.00
20	H frame set	set	0	4332	0.00	323	0.00
21	Alkathin Tube	Coil	0	517	0.00	0	0.00
22	Misc	L/s			0.00		0.00
Total					0.00		0.00

Part C : Shifting of 1X25 KVA DTC (DPMT)-4nos

Sl.No	Materials	Unit	Qty	As per 2023-24 CESC SR			
				Material Cost		Labour Cost	
				Rate	Amount	Rate	Amount
1	Release and Refixing of Double Pole structure for mounting Distribution Transformer using 9mtr RCC poles	Nos	1	0	0.00	6983	13267.70
2	Release and Refixing of 11kV/433Volts, 3 phase, 50 Hz, BEE 4 star rated 25 KVA DTR with Oil,Off load tap changer.	Nos	1	0	0.00	1193	2266.70
3	Release and Refixing of 11 kV lightning Arrester , Metal oxide, 9 kV, 5 kA	Set	3	0	0.00	119	678.30
4	Release and Refixing of LT Protection kit for	Kit	1	0	0.00	356	676.40
5	Release and Refixing of For 25 kva DTC single LT wiring kit	set	1	0	0.00	150	285.00
6	Release and Refixing of HG Fuse, 11 kV Solid Core Type	Set	1	0	0.00	237	450.30
7	Release and Refixing of 11kv 200 Amp Single Break GOS	set	1	0	0.00	1104	2097.60
8	Release and Refixing of H frame set	set	1	0	0.00	323	613.70
9	Earthing materials pipe type for grounding as per Drawing No. BESCOM/GM/CP/15 & 34/Dt: 24.10.07.	Unit	3	1729	5187.00	949	2847.00
10	Guy set complete	Set	4	1170	4680.00	593	2372.00
11	Anti Climbing Device (12 Mtr GI Barbed Wire) Lumpsum	Nos	2	89	178.00	42	84.00
12	Guy wire 7/10 SWG	Kg	10	77.226	772.26	0	0.00
13	GI Wire 8 SWG	Kg	10	75.040	750.40	0	0.00
14	Misc	L/s			0.00		0.00
Total					11567.66		25638.70

M. S. Manohara
 ಮುಖ್ಯ ಕಾರ್ಯದರ್ಶಿ
 ಸಾರ್ವಜನಿಕ ಸರ್ವಿಸ್ ಕೇಂದ್ರ
 ಸಿಬಿ, ಬೆಂಗಳೂರು

[Signature]
 ಸಹಾಯಕ ಕಾರ್ಯದರ್ಶಿ (ಸಿ)
 ಸಿಬಿ, ಸುಪ-ಬೆಂಗಳೂರು
 ಬೆಂಗಳೂರು

Part D : Decommissioning of Assets

Sl.No	Materials	Unit	Qty	As per 2023-24 CESC SR			
				Labour Cost			
				Rate	per rate	Amount	credit to store
1	Relesing of Single Pole structure for mounting Distribution Transformer using 9mtr RCC pole	Nos	0	6983	0.90	0	
2	Relesing of RCC pole 9 mtr long,145Kg WL	Nos	10	1742	0.90	15678	
3	Relesing of PSC pole 9 mtr long,200Kg WL	Nos	13	1742	0.90	20381	
4	Relesing of RCC pole 8 mtr long,115Kg WL	Nos	2	1425	0.90	2565	
5	Relesing of PSC pole 8 mtr long,200Kg WL	Nos	5	1425	0.90	6413	
6	Relesing of 11 kV Horizontal cross arm	Set	5	272	0.90	1224	
7	Relesing 4 pin cross arm for PSC poles	Nos	5	160	0.90	720	
8	Relesing wesel Conductor	Km	0.400	3180	0.90	1145	
9	Relesing Rabbit Conductor	Km	0.100	4361	0.90	392	
10	Misc	L/s	0		0.00	0	
Total						48518.19	

Abstract

Sl.No	Materials	Unit	Qty	Material Cost	Labour Cost
1	Part A Shifting of 11 KV / LT Line	Km	0.80	502101.40	302216.60
2	Part B Shifting with Replacement of 1X25 KVA DTC (SPMT)-3nos	Set	6	0.00	0.00
3	Part C Shifting of 1X25 KVA DTC (DPMT)-4nos	Set	4	11567.66	25638.70
4	Part D Decommissioning of Assets	kg		0.00	48518.19
Total				513669.06	376373.49
4	Material Cost (Exclusive of GST)				513669.06
5	Labour Charges (Exclusive of GST)				376373.49
6	Basic Rate (Sum of Sl No. 1 & 2)				890042.55
7	Area Specific Loading on Basic Rates (Sl No. 3) wherever applicable				0.00
8	Applicable GST on Sl No. 3 & 4				160207.66
9	Cost of Estimate (Sum of Sl No. 3 to 5)(Amount Put To Tender)				1050250.21
10	Statutory Charges as per actuals				0.00
11	Total Cost of Estimate (Sum of Sl No. 6 & 7)- Part A+B				1050250.21
12	Electrical inspectrate charges				15000.00
Total Estimate Cost/Total Award Cost				1065250 /-	

Certificate :-Certified that I have personally visited the spot & prepared this estimate using current SR to execute the work in most Economical and safe way.

Report : This estimate amounting to **Rs. 1065250 /-** Is prepared for HT/LT line with existing DTCs as per request of AEE, National Highway holenarasipura sub division, due to Construction of Bypass to the Holenarasipura town from Kongalabeedu (K B Koppalu) to Peddanahalli village in Doddakadanur section of Holenarasipura sub-division.(Under Self Execution Work)

The proposed shift 11kv line from point 1.6.75*3 k.mtr with 1.25*3km required for shift As shown in sketch.

The proposed shift with Replace weasel by Rabbit LT line from of 4.5*4 k.mtr with As shown in sketch.

The proposed shift with Replace 6 Nos SPMT DTC to DPMT dte As shown in sketch.

The proposed shift 4 Nos DPMT dte As shown in sketch.

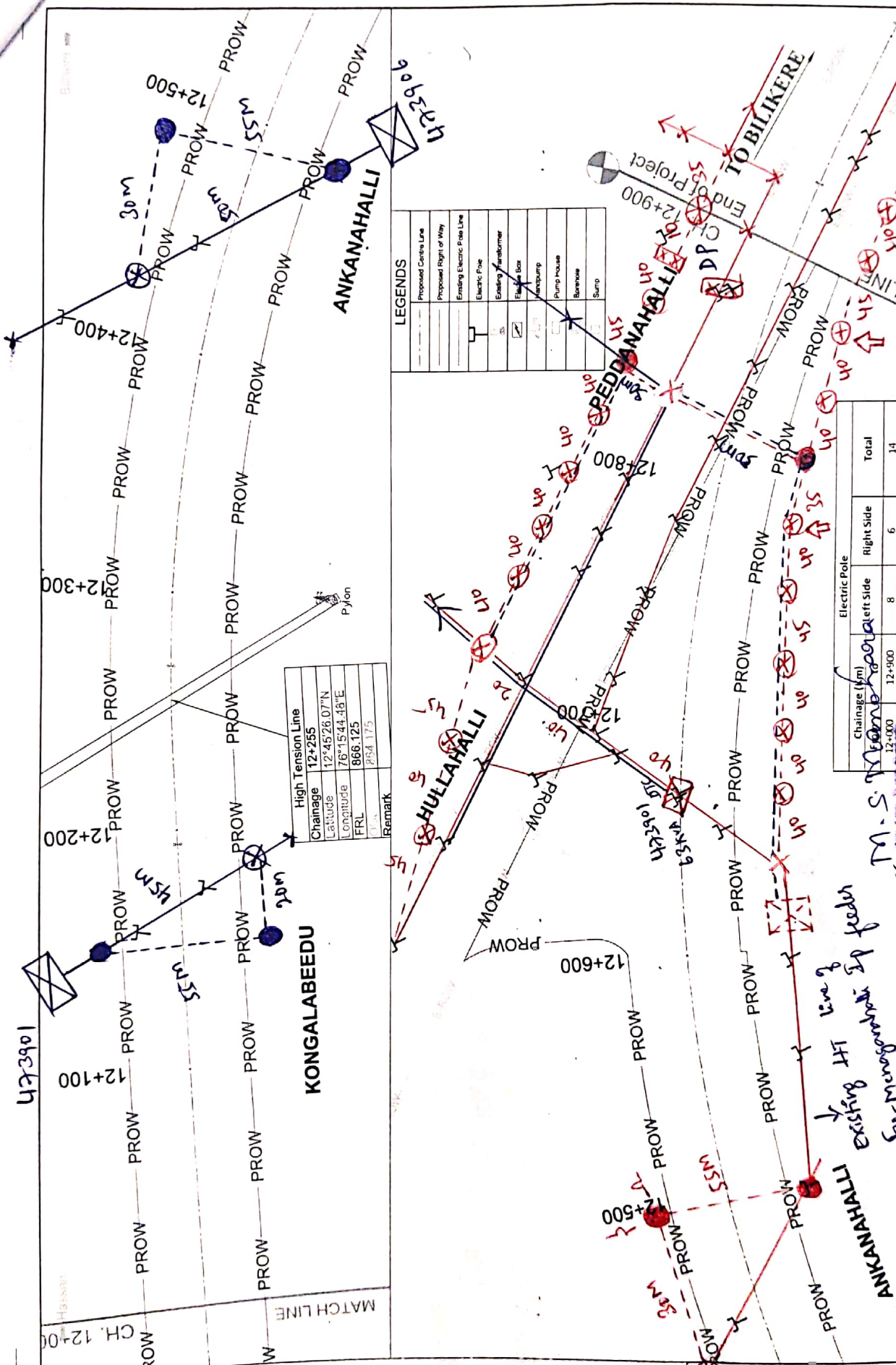
The proposed 50 nos of Spun poles required for shift As shown in sketch.And five DP set to be shift as shown in sketch.

The proposed 10 Nos of Road guarding as shown in sketch.

For the above proposal required materials and labour cost has made provision in the estimate and the LT sketch, proposed works sketch, and other supporting papers are enclosed.

~ M. S. Manohara
Section officer
O&M Section
Doddakadanur


Assistant Executive Engineer(Ele)
O&M Sub-division
HN Pura



Project: Construction of Bypass to the Holenarasipura from Km 12.80 (near Chikanahalli) to Km 97.500 (Near Hulanahalli) Annual Plan 2023-24
State of Karnataka on EPC mode under NH(II) Annual Plan 2023-24

Client: PWD - National Highways, Hassan Division (Government of Karnataka)

Consultant: **INDIAN TECHNOPRAT LIMITED**
In Association with
Visdatta Infra Consultants
New Delhi - 110 070 Ph.: 011-49531100, Email: info@itl.in

Drawn: [Signature]
Checked: [Signature]
Scale: 1:10,000
Sheet No: 1/1
Project No: NH-23-02/IL/NH33/HP/AM/2023

CHAMUNDESHWARI ELECTRICITY SUPPLY CORPORATION LIMITED

Estimate No:-GS-928

Date: 13.01.2024

Estimate for shifting of Existing HT/ LT line and DTC Centers others Electrical materials from Existing place to Suitable place & Due to railway Crossing & as per request of "Aee national highway sub-division Holenarasipura" Due to road widening of NH-373 near Hirebelaguli to Yelleshapura Village in Halekote section Hangarahalli sub-division .

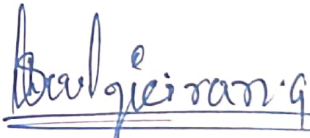
PART A- EXTENTION OF 11KV LINE

Sl. No.	PARTICULARS	UNIT	QTY	Materials Cost		Labour Cost	
				RATE	AMOUNT	RATE	AMOUNT
1	RCC pole 9Mtr Long	No	10	7076	70760	1742	17420
2	PSC pole 9Mtr Long	No	8	4199	33592	1742	13936
3	PSC pole 9Mtr Long (Stud pole)	No	0	4199	0	1742	0
4	9 Mtrs RCC Pole DP Structure	Set	0	20928	0	5392	0
5	Erection of Double Pole Structure Suitable for 25KVA DTC along With all Materials Including Earthing Without Transformer (Cost data sheet 24)	Per Structure	2	89106	178212	17476	34952
7	Erection of Double Pole Structure Suitable for 100KVA DTC along With all Materials Including Earthing Without Transformer (Cost data sheet 28)	Per Structure	1	92330	92330	17832	17832
8	Releasing & Re Erection of Double Pole Structure	Per Structure	1	0	0	19422	19422
9	11 Mtrs Spun Poles	Nos	14	17702	247828	4449	62286
10	Spun Pole Earthing - [2 Earthings per cable & Cross arm each]	Set	14	1733	24262	735	10290
11	Clamps Suitable for Climbing 11 Mtrs Spun Poles [8 for each Spun pole] Market price	Nos	112	300	33600	150	16800
12	Concreting for Spun poles with cement				0		0
	a. Base Concreting 1:4:8, 1000 X 1000 X 150 mm	Nos	14	0	0	936	13104
	b. Spun Pole Concreting 1:4:8, 1000 X 1000 X 2500 mm	Nos	14	0	0	15608	218512
	c. Spun pole Coping 1:2:4 as per Actuals	Nos	14	0	0	2372	33208
13	11 KV 200 A Single break GOS	Set	1	9450	9450	1104	1104
14	H Frame for Mounting GOS	Set	1	4332	4332	323	323
15	Spiral Earth Electrodes	Set	32	239	7648	93	2976
16	Horizantal X-arm with HTST Support	No	0	646	0	272	0
17	Special 3 pin Cross Arm	No	0	1434	0	532	0
18	4pin cross arm	No	0	423	0	160	0

(Signature)
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19	11KV pin insulator Polymeric type	No	50	205	10250	0	0
20	45KN Disc insulator	No	35	186	6510	0	0
21	1.1KV Pin Insulator	No	60	66	3960	0	0
22	No 8 strain Insulator	No	40	27	1080	0	0
23	Guy set	Set	10	1170	11700	593	5930
24	Rabbit conductor with 1.5% slag HT	Kmt	0	46234	0	4361	0
25	Rabbit conductor with 1.5% slag LT	Kmt	3.2	46234	147949	4361	13955
26	Releasing & Re-stringing of Rabbit conductor	Kmt	3.8	0	0	4361*1.9	31486
27	Releasing & Re-erection of 9mtr poles	No	12	0	0	1742*1.9	39718
28	Releasing & Re-Fixing Horizontal X-arm	No	16	0	0	272*1.9	8269
29	Releasing & Re-Fixing 4pin X-arm	No	25	0	0	160*1.9	7600
30	Trimming of Trees, if Jungle/Tree/Plant/Shrubs Exists for new line	Kmt	0.5	0	0	4147	2074
31	Transporation by Head Load poles where ever there is no accessibility for transporation by vechicle 25 to 105 Mtr	No	26	0	0	285	7410
32	Loading & Unloading of 9Mtr pole	No	12	0	0	142	1704
33	Misc Meterials				82		19
	Total Material cost and Total Labour charges				883545		580330


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 ಕಾರ್ಯ ಮತ್ತು ಪಾಲನಾ ವಿಭಾಗ
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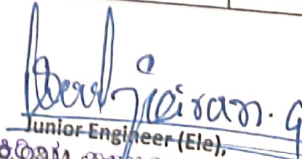

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 ಸಿಬಿ, ಕೂಗಲಹಳ್ಳಿ

CHAMUNDESHWARI ELECTRICITY SUPPLY CORPORATION LIMITED

Estimate No:- GS - date:-

Estimate for shifting of Existing HT/ LT line and DTC Centers others Electrical materials from Existing place to Suitable place & Due to railway Crossing & as per request of "Aee national highway sub-division Holenarasipura" Due to road widening of NH-373 near Hirebelaguli to Yelleshapura Village in Halekote section Hangarahalli sub-division .

11KV UG Cable Railway Crossing							
Sl. No.	PARTICULARS	UNIT	QTY	Materials Cost		Labour Cost	
				Unit Rate	Amount	Total	Amount
1	Spun pole 11 Mtr Long	No	4	17702	70808	4449	17796
2	Single H Frame without Transformer Seating and Seating angle support cross arm for 11 Mtr Spun Pole MS	No	4	13007	52028	2703	10812
3	Clamps Suitable for Climbing 11 Mtrs Spun Poles [8 for each Spun pole] Market price	Nos	32	300	9600	150	4800
5	11 KV 200 Amps single break GOS	No	4	9450	37800	1104	4416
6	9 KV class Lighting Arrestor	Set	4	4752	19008	119	476
7	DOLO Cut outs	Set	4	5876	23504	237	948
8	GI pipe Grounding	Set	4	1729	6916	949	3796
9	Concreting materials for 11 Mtrs Spun Pole		0	0	0	0	0
	a) Base concreting 1:4:8, 1000x1000x150 mm	Each	4	0	0	936	3744
	b) Pole concreting 1:2:4, 1000x1000x2500 mm	Each	4	0	0	15608	62432
	c) Coping 1:2:4 (as per actuals)	Each	4	0	0	2372	9488
10	11KV class 240 Sqmm XLPE 3 Core UG Cable round armoured (Double Run) including looping	Kmt	0.32	1656048	529935	64153	20529
11	Cable Termination Kit Outdoor/Indoor HS Type suitable for 3X240 Sqmm	Kit	4	5318	21272	2658	10632
12	Horizontal X-arm with HTST Support	No	4	646	2584	272	1088
13	45KN Disc insulator	No	12	186	2232	0	0
14	11kv 5KN composite polymeric pin insulator	No	6	205	1230	0	0
15	GI Pipe of 100 mm dia for cable raising	Mtr	56	1235	69160	93	5208
16	Labour chareges for Horizontal drilling Rock soil 5/6" Bore inches bore size with HDPE pipe	Mtr	240	0	0	1519	364560
17	HDPE/PLB Pipe 40/33 mm	KM	0.32	62336	19948	0	0
18	Route and joint indicating stones	No	4	133	532	0	0
19	Laying of cable in trench wherever necessary	Mtr	80	0	0	64.15	5132
20	Laying of Route and Joint indicating stone	Mtr	80	0	0	116	9280
21	Anti Climbing device (12 Mtr / 1KG GI barbed Wire) L/S	set	8	89	712	42	336
22	Caution / Danger board	No	4	150	600	80	320
23	Rabbit conductor with 1.5% slag	Kmt	0.05	46234	2312	4361	218
24	Aluminium End Terminal (Lug) 120 Sqmm	No	56	20	1120	0	0
24	PG clamp R to R	No	24	102	2448	0	0
25	Misc Materials				51		0
Total Material cost and Total Labour charges					873800		536100


 Junior Engineer (Ele),
 C&D&M Section, Halekote. (E)
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PART-B DECOMMISSION OF ASSETS

Labour charges				
1	Releasing of 9Mtr RCC/PSC poles	No	12	1425 X 0.9
2	Releasing of Horizontal x-arm	No	16	272 X 0.9
3	Decommissioning of Single Pole Transformer Structure along with all materials Excluding Earthing	Set	3	13422 X 0.9
4	Decommissioning of Double Pole Transformer Structure along with all materials	Set	1	19422 X 0.9
5	Misc. Labour charges			24
Total Labour charges				73050

CREDIT

1	Released 9Mtr RCC pole	02 No's	Released scrap
			02 No X 18kg =36 Kg (Skeleton)
2	Released Weasel Conductor	03 No's	Released Scrap
			2.6 km
3	Single Pole Transformer TC Set	02 No's	Scrap
			02 No X30 Kg=60 Kg
4	Double Pole Transformer TC Set	01 No's	Scrap
			01 No X40 Kg=40 Kg
5	4 Pin X arm	04 No's	Scrap
			04 No X03 Kg=12 Kg
	Depreciasion earned		
	Original cost of Asset		
	Date of commision-		

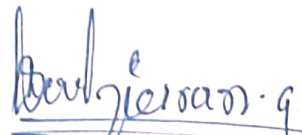
ABSTRACT

1	PART A- EXTENTION OF 11KV LINE	1463874
2	PART-B DECOMMISSION OF ASSETS	73050
	TOTAL COST OF ESTIMATE	1536924

Railway Estimate Cost

	Material Cost = 873800 & Labour Cost = 536100	1409900
A	CGST 9% of total Material Cost + Labour Cost	265214
B	SGST 9% of total Material Cost + Labour Cost	265214
	Total Material cost and Total Labour charges	3477253


 ಸಹಾಯಕ ಮುಖ್ಯ ಮಂಡಳಿ (ಎ)
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 ಬೆಂಗಳೂರು


 ಕಿರಿಯ ಇಂಜಿನಿಯರ್ (ಎ)
 ಸಿಸ್. ಹೆಲಿಕೋಪ್ಟರ್ ಶಾಖೆ

Report:- This estimate is prepared for the sum of Rs-3477253/- for Shifting 11KV & LT Line from Yelleshapura to Hirebelaguli Village Limits for about 01 km Due to Bypass road from Holenarasipura to Kadavinakote of NH-373 in Halekote section Hangarahally sub division.

It is proposed to Shifting of 11KV Line & LT Line to Far Away about 25 Meters on Either Side of Road for a Distance about 1.5 KM at Hangarahalli Village in Halekote Section

It is Proposed to Replace 2.6Km 2 ACSR/ Weasel Conductor by Rabbit Conductor and the 11 KV pin was in Ceramic and it is to be Replaced by Polymeric Pin Insulator.

this estimate is proposed Shifting of 2 No's of 25KVA dts's and 01 No's of 100 KVA dtc's NJY & IP power supply.

Hence, In Future Crossing the Railway track point 92/0 to 92/9 Limits in Railway crossing Area in Hirebelaguli Village Limits .The

Estimate has been initiated for Providing the power Supply IP & NJY Feeders to Hirebelguli Village Limits .

In this estimate proposed NJY power supply to Hirebelguli village from 220/66/11 KV MUSS F-2 SR Katte feeder by bifurcating installation / DTC from F-2 SR Katte IP feeder to F-1 Navodaya NJY feeder

In this estimate is proposed segregation of 2 No's of 63KVA & 3 No's of 25KVA dts's and around the 310 installation/ cosumers and 2 No's water supply installation got benifited by this NJY power supply

Hirebelguli village leftout from NJY power supply scheme to laying UG cable due to delay of Railway Department permission.

Earlier the same estimate is sancation but work is not carried out due to non participating the contractor work on tendering hence new estimate is submitted

Hirebelguli village feeding supply from IP feeder in morning 7 hours during Night open delta power supply remening time there are in load shedding Hirebelguli villagers / cosumer are requesting 24 hours power supply hence proposed this estimate.

Permission has been obtained from the Railway Department to carry out the 11KV UG Cable Railway crossing work, Permission letter and Sketch are enclosed.

It is proposed to Double run 80 X 2 Meters (one spare cable) 11KV class 240 Sqmm XLPE 3 Core UG Cable is provisioned as shown in the sketch.

The necessary materials are provided in this estimate . Hence kindly Sanction this estimate as early as possible

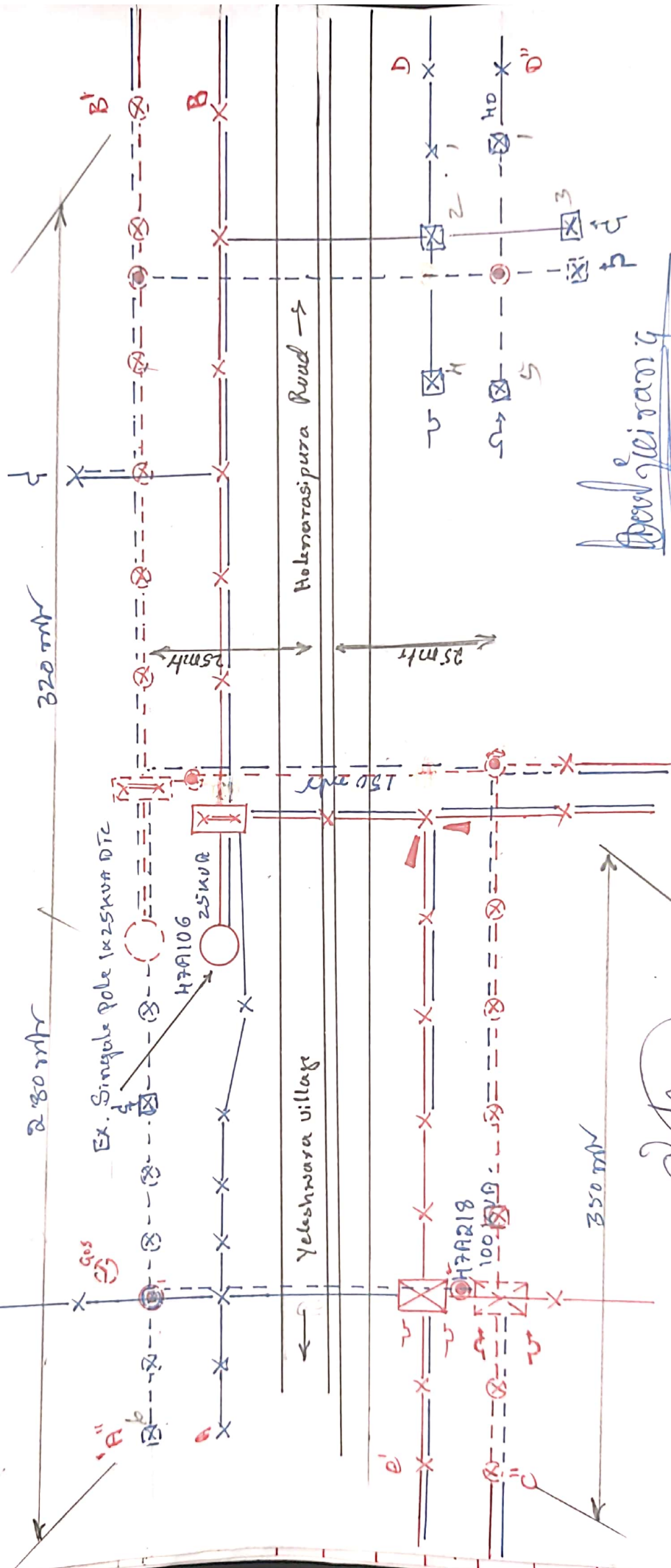
Certificate:- Certified that I have personally visited the spot & prepared this estimate by using present CSR, for safe & most economical way of executing the work.


Assistant Executive Engineer (Ele),
CESC, O&M sub division, Hangarahally.


Junior Engineer (Ele),
CESC, O&M section, Halekote.

Estimate for shifting of Existing HT/LT line and DTC Centres others Electrical materials

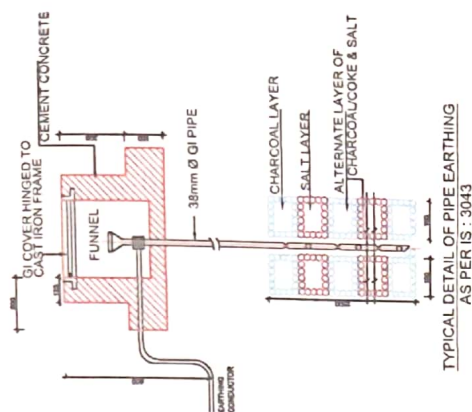
Existing Place to Suitable Place & Due to railway Crossing & as per request of "Aee National Highway Sub-division Holenarasipura" Due to road widening of NH-373 near Hirebelaguli to Yelleshapura village in Halekote Section Hangarabally Sub-division.



[Signature]
 ಕಾರ್ಯದರ್ಶಿ ಅಧಿಕಾರಿ (ಎ)
 ಕಾರ್ಯದರ್ಶಿ ಅಧಿಕಾರಿ (ಎ)
 ಸಿ.ಎ. ಹಂಗರಬಳ್ಳಿ

[Signature]
 ಕಿರಿಯ ಇಂಜಿನಿಯರ್ (ಎ)
 ಸಿ.ಎ. ಹಂಗರಬಳ್ಳಿ

(₹1 TO ₹1) BETWEEN HOLENARSIPURA TO MAVINKERE RAILWAY STATION
500 600



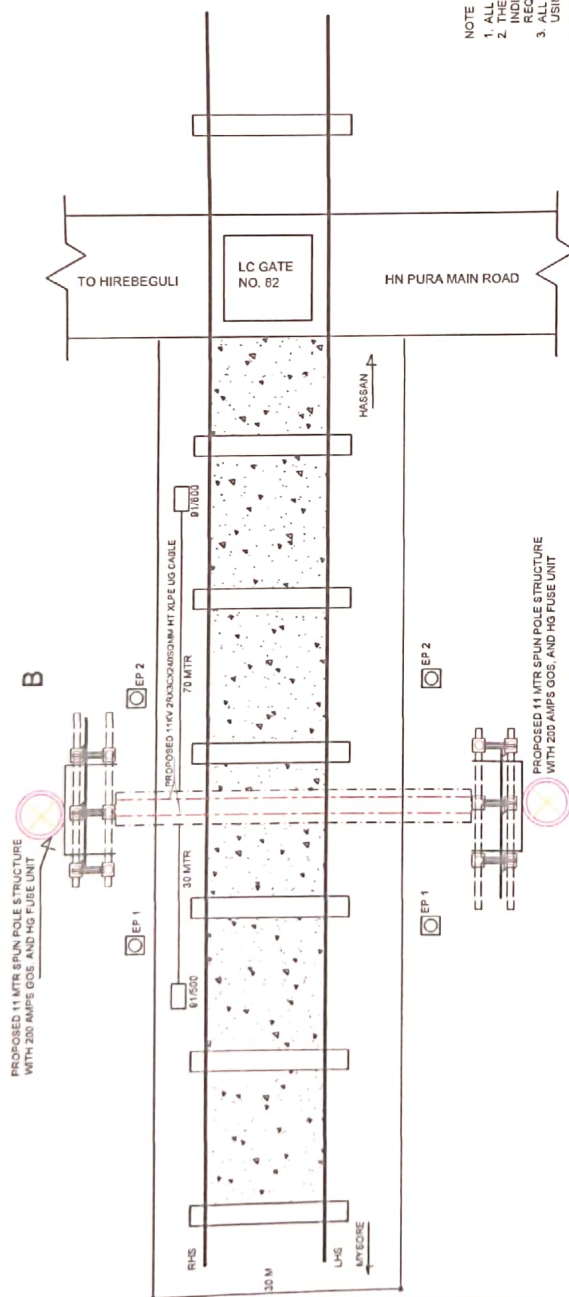
TYPICAL DETAIL OF PIPE EARTHING
AS PER IS : 3043

Sl.No	Earth pit number	Earthing Type	Connected to	Size of strip	Qty
1	EP 1	GI PIPE	SSS STRUCTURE	25 X 3mm GI	2
2	EP 2	GI PIPE	UNPAVLED ROAD	25 X 3mm GI	2

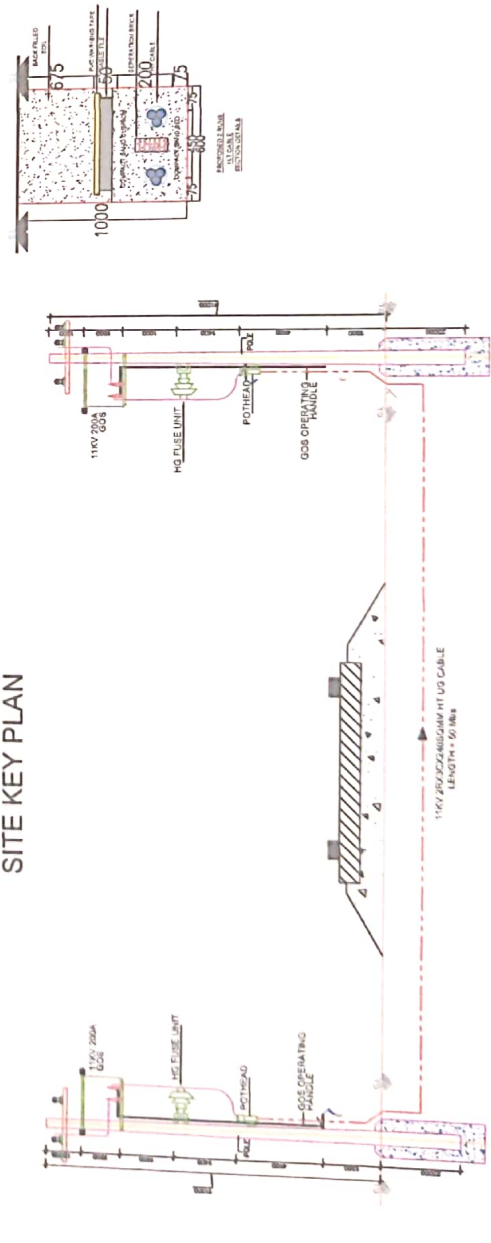
1. ALL DIMENSIONS ARE IN (MM).
2. THE ELECTRICAL INSTALLATION WILL BE CARRIED OUT STRICTLY IN ACCORDANCE WITH THE INDIAN ELECTRICITY RULES IS CODES OF PRACTICE, FIRE INSURANCE REGULATION AND REQUIREMENTS OF LOCAL AUTHORITIES
3. ALL ELECTRICAL EQUIPMENTS WILL BE OF APPROVED MAKE AND WILL BE EARTHED BY USING TWO SEPARATE EARTH LEADS
4. THE EARTH PIT WILL BE LOCATED AT A DISTANCE OF NOT LESS THAN 1500mm FROM ANY BUILDING AND SPACING BETWEEN TWO ELECTRODES WILL BE NOT LESS THAN 5000mm.
5. THE NEUTRAL EARTHS WILL NOT BE INTERCONNECTED WITH OTHER EARTH PITS
6. ALL CABLE GRANDS WILL BE EFFECTIVELY EARTHED AS PER STANDARD PRACTICE
7. THE EARTH PIT WILL BE PREPARED AS PER IS 3043
8. THE LOCATION OF EARTH PIT AND CONDUCTOR ARE ONLY INDICATIVE, THESE WILL BE LAID TO AVOID ANY INFRENGEMENT AT SITE
9. SEPARATE EARTH ELECTRODE WILL BE PROVIDED FOR THE EARTHING OF LIGHTNING ARRESTORS
10. DANGER BOARDS FIRST AID BOX, FIRE EXTINGUISHER AND SAND BUCKETS WILL BE PROVIDED IN SUBSTATION.
11. LAYING OF CABLE WILL BE AS PER IS CODES
12. THE EXACT HEIGHT AND SIZE OF THE PUNTHS FOR TRANSFORMER WILL BE PROVIDED BASED ON THE EQUIPMENTS DIMENSIONS.
13. SEPARATE EARTHING WILL BE PROVIDED FOR FENCING

Devi Persany
Junior Engineer
O&M Section
CESC
Halekote

Executive Engineer
O&M Section
CESC
Holenesipura



SITE KEY PLAN

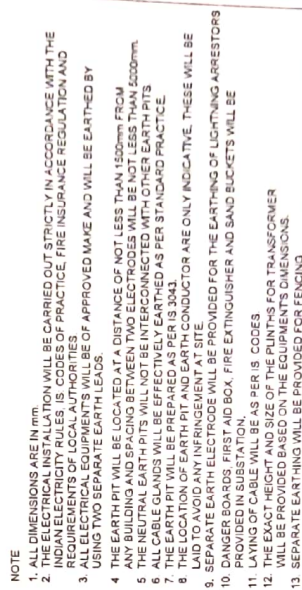


PROPOSED 11 MTR SPUN POLE

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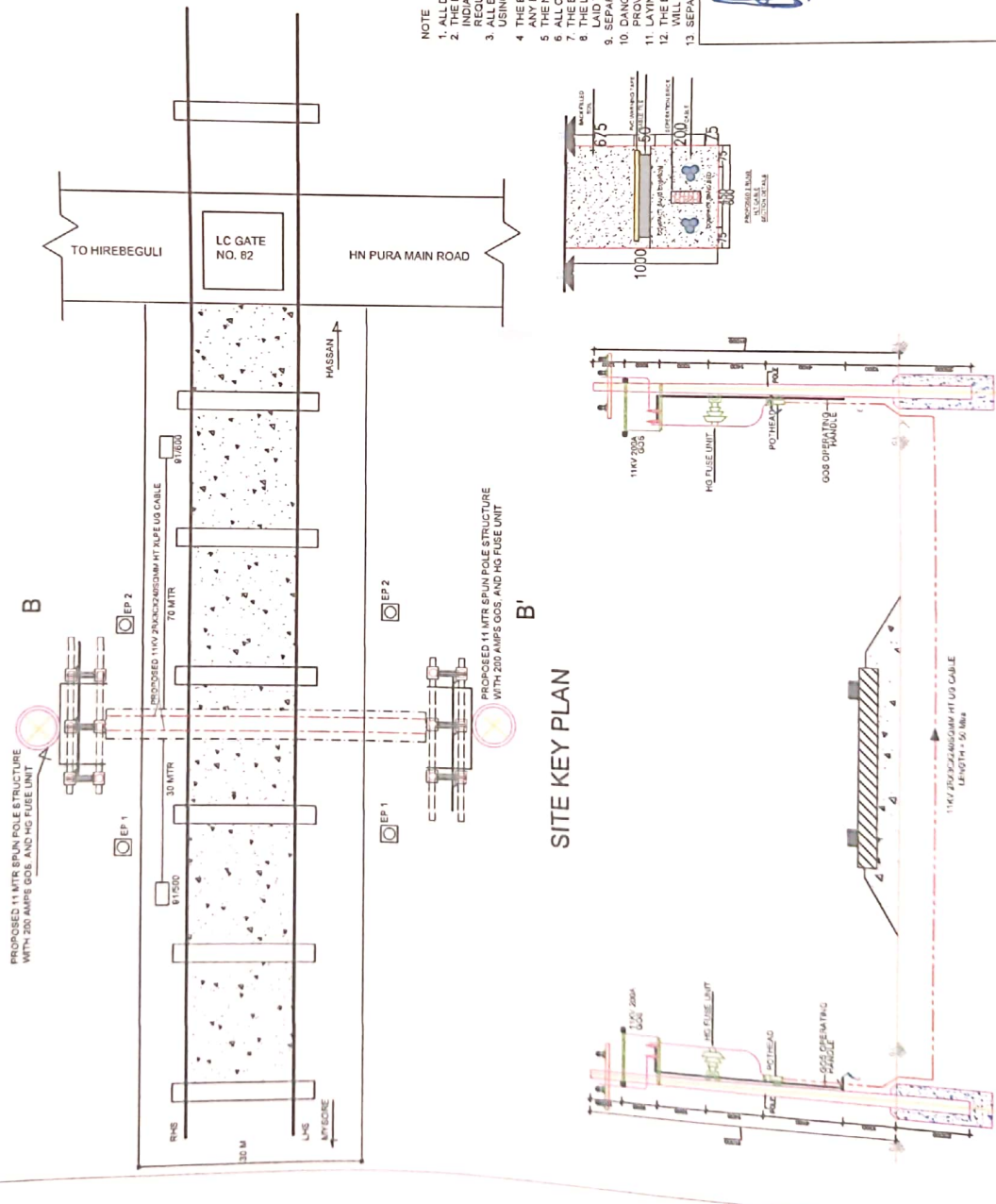
SECTION 9.9'

($\frac{\text{₹1}}{500}$ TO $\frac{\text{₹1}}{600}$) BETWEEN HOLENARSIPURA TO MAVINKERE RAILWAY STATION




Assistant Executive Engineer
O&M Section
CESC
Hangarhalli

Executive Engineer
O&M Section
CESC
Holnesipura



KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

ABSTRACT

SELF EXECUTIVE WORKS

Sl.No.	Line Work	
	Particulars	Amount in Rs
1	Material cost	34254630.04
2	Labour/Erection/Dismantling charges and Testing & Commissioning charges	5869023.10
3	Cost of Civil Engineering works	1060822.06
4	Basic Rate (Sum of Sl.No. 1 to 3)	41184475.20
5	Area Specific Loading on Basic Rates (Sl No.4) (Other Cities 3%)	1235534.26
6	Applicable GST on Sl No. 4 & 5	7635601.70
7	Cost of the Estimate (Sum of Sl.No. 4 to 6) Amount put to Tender	50055611.16
8	Statutory Charges such as PTCC, Electrical Inspectorate, Payment towards Civic Bodies etc., and Forest Clearance/Tree cut Compensation, Crop Compensation,	5000000.00
9	Total Cost of Estimate(Sum of Sl.No. 7 & 8)	56307001.44
	Rounded off to	56307001.00
NOTE: 1. Supervision Charges @2.5% (for NHAI, BMRCL, All Infrastructure Developers crossing National Highways)/@5%(for Others) on Total Estimate cost (Sl No:7)+applicable GST on Supervision Charges shall be collected. 2. Statutory Charges shall be paid by the Applicant.		


Junior Engineer(Ele),
TLM Section, KPTCL,
Holenarasipura


Executive Engineer(Ele),
TL&SS Division,
KPTCL, Holenarasipura.


Assistant Executive Engineer(Ele),
TLM Sub-Division,
KPTCL, Holenarasipura.

KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

Est.No.

Estimate for providing intermediate towers to have clearance to proposed National Highway road at Six Location under self Executive Scheme in TLM Section, Holenarasipura, TLM Sub-Division, Holenarasipura.

Date:

Sl No	Description	UOM	Existing				Rivised			Remarks
			Qty in No.s	Unit Wt. in MT HT/MS	Total Qty in	Rate	Amount	Qty in No.s	Amount	
1	Design fabrication, Galvanizing & supply of transmission line towers including stubs 66kv Narrow Based D/C towers- Proposed KPTCL Design.	NO/MT	12	MS	4.221	50.652	6864359.04			2024 SR Rates Pg.No 43, (18.2)
			12	MS	0.553	6.636	899310.72			
			12	MS	0.215	2.58	349641.6			
2	Design fabrication, galvanizing & supply of transmission line towers including stubs 66kv Narrow Based D/C towers- Proposed KPTCL Design	NO/MT	12	MS	4.931	59.172	8018989.44			2024 SR Rates Pg.No 43, (18.2)
			12	MS	0.553	6.636	899310.72			
			12	MS	0.23	2.76	374035.2			
3	Design fabrication, Galvanizing & supply of NBT MD+3	NO/MT	2	MS	5.57	11.14	1509692.8			2024 SR Rates Pg.No 43, (18.2)
			2	MS	2.97	5.94	804988.8			
			2	MS	0.29	0.58	78601.6			

SI No	Description	UOM	Existing					Rivesed		
			Qty in No.s	Unit Wt. in MT HT/MS	Total Qty in	Rate	Amount	Qty in No.s	Amount	Remarks
4	Design fabrication, galvanizing & supply of transmission line towers including stubs 66kv Narrow Based M/C towers- Proposed KPTCL Design.									
4(a)	NBT MD+6mt Ext.	NO/MT	2	MS	2.223	4.446	135520		602521.92	2024 SR Rates Pg.No 43, (18.2)
	Stub for NBT MD +6mt		2	MS	5.5	11	135520		1490720	
	Bolts and Nuts		2	MS	0.68	1.36	135520		184307.2	
5	Double tension Clamp with arcing horns suitable for Coyote	Set	90				4338		390420	2024 SR Rates Pg.No 67 (46.2)
6	Single tension Clamp suitable for earth wire.	Set	58				1234		71572	2024 SR Rates Pg.No 67(46.1)
7	Single tension Clamp with arcing horns suitable for Coyote ACSR	Set	180				1502		270360	2024 SR Rates Pg.No 67 (46.1)
8	C type wedge connectors for Coyote ACSR.	Nos.	360				656		236160	2024 SR Rates Pg.No 70, (47.10.4)
9	PG clamps for ground wire	Nos.	70				403		28210	2024 SR Rates Pg.No 67(46.5)
10	Repair sleeves for Coyote ACSR. conductor	Nos.	210				300		63000	2024 SR Rates Pg.No 67(46.8)
11	MSC joints for Coyote ACSR conductor	Nos	210				621		130410	2024 SR Rates Pg.No 67(46.6)
12	Vibration dampers	Nos	395				916		361820	2024 SR Rates Pg.No 67(46.9)
13	ACSR Coyote conductor for providing jumps	Mtrs	3750				139		521250	2024 SR Rates Pg.No 44 (20.6)
14	ACSR Coyote Conductor(6x1.250kmx 1.015 sag)	Mtrs	57097				139		7936483	2024 SR Rates Pg.No 44 (20.6)
15	7/3.65 mm G.I wire for ground	Mtrs	8883				88		781704	2024 SR Rates Pg.No 44 (20.8)
16	66 kv porcelain 90KN disc insulators	Set	2250				593		1334250	2024 SR Rates Pg.No 45(21.2.3)

d)	Fixing Circuit plate	Nos.	32	80	2560			2560	2024 SR Rates Pg.No 113,(3.d)
5	Stringing of 66kV Coyote ACSR Conductor with Suspension clamps, Strain clamps, insulators etc., including the cost of T&P materials used for dismantling. (Note: Rates for dismantling of materials/equipment shall be considered same as that of erection) Considering 1.5% of Sag (1250*6*0.015=7613)	Mtrs	57106	8	456848			456848	2024 SR Rates Pg.No 114,(4.a)
6	Stringing of 7/3.15mm ground Conductor with Suspension clamps, Strain clamps, insulators etc., including the cost of T&P materials used for dismantling. (Note: Rates for dismantling of materials/equipment shall be considered same as that of erection) Considering 1.5% of Sag (1250*0.015=1269)	Mtrs	8883	11	97713			97713	2024 SR Rates Pg.No 114,(4.b)
7	Grounding of towers including cost of 40 mm dia 2.5 mm thick class 'C' GI pipe of 3 mtr length as per specifications, with 50 x 6 mm GI flats 3 Mtrs long Salt Charcoal	Set	28	7335	205380			205380	2024 SR Rates Pg.No 115,(6.a)
	Total				2618081			2618080.72	
	Grand Total				2618081			5236161.44	

(LABOUR CHARGES FOR TOWER ERECTION)											
Sl No	Description	Existing				Revised				Remarks	
		Unit	Qty	Rate	Amount	Unit	Qty	Amount	Amount		
	Check Survey										
1	Check survey using their own equipments for 66 KV	KM	14	2904	40656				40656	2024 SR Rates Pg.No 155,(3)	
2 a)	Sorting of tower parts made of fabricated angle iron.	MT	162.87	433	70522.7				70522.71	2024 SR Rates Pg.No 113,(1),1.1a)	
b)	Setting up of stubs templates & aligning dismantling & transportation of templates from one location to other location.	Per Loc	28	705	19740				19740	2024 SR Rates Pg.No 113,(1),1.1b)	
c)	Assembly & erection of towers including tightening of bolts & nuts including loading & unloading at store & site (including the weight of stubs)	MT	162.87	5723	932105				932105.01	2024 SR Rates Pg.No 113,(1)1.1c)	
d)	Welding of bolt and Nuts	Per bolt	10250	22	225500				225500	2024 SR Rates Pg.No 113,(1)1.1e)	
3 a)	Supply and Fixing G.I angle iron 45x45x5mm (1mtr length) with cleats bolts and nuts	Per set	56	4121	230776				230776	2024 SR Rates Pg.No 113,(2.a)	
b)	Supplying and fixing barbed wire as per specification	Rmtr	5670	56	317520				317520	2024 SR Rates Pg.No 113,(2.b)	
4 a)	Fixing Danger board.	Nos.	28	80	2240				2240	2024 SR Rates Pg.No 113,(3.a)	
b)	Fixing Number plate	Nos.	28	80	2240				2240	2024 SR Rates Pg.No 113,(3.b)	
c)	Fixing Phase plate	Set	60	238	14280				14280	2024 SR Rates Pg.No 113,(3.c)	

		Existing					Rivised			
Sl No	Description	UOM	Qty in No.s	Unit Wt. in MT HT/MS	Total Qty in	Rate	Amount	Qty in No.s	Amount	Remarks
17	Phase plate (set of 6 per tower)	Set	32			528	16896		16896	2024 SR Rates Pg.No 43(19.1)
18	Number plate	Nos	28			318	8904		8904	2024 SR Rates Pg.No 43(19.2)
19	Danger board (1No per tower)	Nos	28			318	8904		8904	2024 SR Rates Pg.No 43(19.3)
20	Circuit plate.	Nos	56			318	17808		17808	2024 SR Rates Pg.No 43(19.2)
Total							34254630.04		33733380.04	
Grand Total of PART-A							34254630.04		33733380.04	

Post

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KARNATAKA POWER TRANSMISSION CORPORATION LIMITED						
Estimate No.				Date		
Estimate for providing intermediate towers to have clearance to proposed National Highway road at Six Location under self Executive Scheme in TLM Section, Holenarasipura, TLM Sub-Division, Holenarasipura.						
Sl.No	Particulars	Unit	Qty	Rate	Amount	Remarks
1	Dismantling of existing D/C 'A+3' type tower parts without stubs including loading and unloading from site to store	MT	3.78	5723	21632.94	2024 SR Rates Pg.No 113,(1.1.1.c)
2	Dismantling of existing D/C 'D+0' type tower parts without stubs including loading and unloading from site to store	MT	1.92	5723	10988.16	
3	Dismantling of existing D/C 'A+0' type tower parts without stubs including loading and unloading from site to store	MT	7.21	5723	41262.83	
4	Dismantling of existing D/C 'C+0' type tower parts without stubs including loading and unloading from site to store	MT	3.04	5723	17397.92	
5	Dismantling of existing D/C 'B+0' type tower parts without stubs including loading and unloading from site to store (Tower number 101)	MT	2.6	5723	14879.8	
6	Dismantling of existing M/C 'A+6' type tower parts without stubs including loading and unloading from site to store)	MT	5.37	5723	30732.51	2024 SR Rates Pg.No 113,(1.1.1.c)
7	Dismantling of existing M/C 'C+0' type tower parts without stubs including loading and unloading from site to store	MT	5.43	5723	31075.89	
8	Dismantling of existing M/C 'C+0' type tower parts without stubs including loading and unloading from site to store	MT	5.43	5723	31075.89	
9	Dismantling of existing M/C 'A+3' type tower parts without stubs including loading and unloading from site to store	MT	4.43	5723	25352.89	
10	Dismantling of existing H-Freme' type tower parts without stubs including loading and unloading from site to store	MT	3	5723	17169	
10	RE-Stringing of 66kV Coyote ACSR Conductor with Suspension clamps, Strain clamps, insulators etc., including the cost of T&P materials used for dismantling. (Note: Rates for dismantling of materials/equipment shall be considered same as that of erection) Considering 1.5% of Sag (1250*6*0.015=7613)	Mtrs	7613	8	60904.00	2024 SR Rates Pg.No 114,(5.1.A.i)
11	Stringing of 7/3.15mm ground Conductor with Suspension clamps, Strain clamps, insulators etc., including the cost of T&P materials used for dismantling. (Note: Rates for dismantling of materials/equipment shall be considered same as that of erection) Considering 1.5% of Sag (1250*0.015=1269)	Mtrs	1269	11	13959.00	2024 SR Rates Pg No 114,(5.1.B.i)
	Total				316430.83	
	Grand Total				632862	

Credit portion :

Sl. No	Description	Unit	Qty	Value	Remarks
1	GI tower parts without stubs D/C 66 kV class Kalpatharu design	MT	42.21		Scrap
2	90KN Disc insulators	Nos	765		Scrap
3	Released Coyote ACSR conductor	KM	57097		Scrap
4	Released ground wire	KM	8883		Scrap
5	Single Tension clamp for Coyote ACSR conductor	Nos	90		Scrap
6	Single suspension clamp for Coyote ACSR conductor	Nos	135		Scrap

Data to be furnished by Accounts staff :

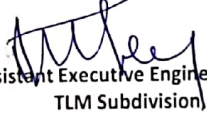
Name of the transmission line	
Date of commissioning	
Original value or assessed values of the released materials	
Depreciation earned	
Written down value of the asset	

Certificate : Certified that I have personally visited the spot and prepared this estimate by using current KPTCL SR rates.

Report :- This is a formal estimate prepared as per the request of National highway Authority of India (NHAI) on emergency basis without conducting Survey of the transmission line, Actual estimate will be prepared after conducting Survey. This estimate is prepared for decommissioning of asset to be dismantled due to maintaining the vertical clearance of proposed National Highway road near Hirebelaguli limits, Holenarsipura taluk. Actual weight of Dismantled materials will be arrived while returning to store. The released materials are given credit in the estimate.


Junior Engineer(Ele),
TLM Section,
KPTCL, Holenarsipura.


Executive Engineer(Ele),
TL&SS Division,
KPTCL, Holenarsipura.


Assistant Executive Engineer(Ele),
TLM Subdivision,
KPTCL, Holenarsipura.

KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

Estimate for providing intermediate towers to have clearance to proposed National Highway road at Six Location under self Executive Scheme in TLM Section, Holenarasipura, TLM Sub-Division, Holenarasipura.

Sl. No.	Description	Unit	Existing			Remarks
			Quantity	Unit Rate (in Rs.)	Amount (in Rs.)	
1	2	3	4	5	6	10
C1	EXCAVATIONS : Supply of all labour, materials, Machinaries etc., & excavation with all leads and lifts for tower foundations including back filling with available approved earth/ approved new earth, watering and compaction in layers of 150mm thick, disposal of surplus earth to the places directed, spreading, levelling etc., & other items not specified but required for the completion of the work, complete for the following types of soil & Rock as per detailed specification, drawings and directions of the engineer incharge of the works					
1	i) Normal Dry soil	CMT	0.00	73.00	0.00	
	ii) Dry fissured rock upto 1.5	CMT	621.24	272.00	168977.28	
2	ii) Dry fissured rock above 1.5 to 3	CMT	621.24	320.00	198796.80	
	iii) Wet Block Cotton upto 1.5	CMT	499.06	283.01	141238.69	
3	iii) Wet Block Cotton above 1.5 to 3	CMT	1164.47	339.43	395256.39	
	iv) Hard Rock by Cessilling upto 1.5	CMT	177.50	419.00	74370.41	
4	iv) Hard Rock by Cessilling 1.5 to 3	CMT	177.50	463.00	82182.50	
C2	Foundation Concreting :					
	PROVIDING CONCRETING: Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69cum and fine aggregates @ 0.460 cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedestals, retaining walls, return walls, walls (any thickness) including attached pilasters, column pillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications.					
1	Concreting and curing 1 : 1.5 : 3	CMT	0.00	5789.00	0.00	
2	Concreting and curing 1 : 2 : 4	CMT	0.00	0.00	0.00	
3	Concreting and curing 1 : 3 : 6	CMT	0.00	5622.00	0.00	

Sl. No.	Description	Unit	Existing			Remarks	
			Quantity	Unit Rate (in Rs.)	Amount (in Rs.)		
1	2	3	4	5	6	10	
C3	PROVIDING STEEL REINFORCEMENT: Providing and fabricating mild steel/HYSD steel reinforcement including straightening , cutting, bending, hooking, lapping and or welding wherever required, placing in position, tying with binding wire of approved quality and gauge including the cost of binding wire and anchoring to the adjacent member wherever necessary including all laps and wastages etc., complete as per design and specification and directions for different types of tower foundations. (including the cost of steel and fabrication charges)	MT	0.00	90000.00	0.00		
C4	Back filling						
1	Filling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications.I-2.10/P-7	CMT	0.00	221.10	0.00		
2	Earthwork excavation in soil deposits and filling sides of foundation upto plinth in layers not exceeding 20cms. in depth, compacting each deposited layer by ramming after watering with all lead and lift including cost of all labour complete as per specifications. specification I		0.00				
	TOTAL				1060822.06		
	Meselinous Round off						
	Grand Total				1060822.06		

Certificate: The estimate has been prepared after visiting to the spot based on PW, P & IWTD SR rates of Hassan Circle for the year 2018-19 and present prevailing market rate to the most economical & safe way of executing the work. GST at 18% is considered over KPWD rates

KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

Estimate for providing intermediate towers to have clearance to proposed National Highway road at Six Location under self Executive Scheme in TLM Section, Holenarasipura, TLM Sub-Division, Holenarasipura.

As pe Detailed survey													
SL NO.	Type of Towers	Type of Foundat ion	No. of Towers	Unit Quantity					Total Quantity				
				Excavati on (CMT)	1:1.5:3 Concreting (CMT)	1:2:4 Concreting (CMT)	1:3:6 Concreti ng (CMT)	Reinforcem ent (MT)	Excavation (CMT)	1:1.5:3 Concreting (CMT)	1:2:4 Concretin g (CMT)	1:3:6 Concreti ng (CMT)	Reinforcement (MT)
1	110KV D/C NBT DD+3 KPTCL Design	DFR	2	118.5	36.05	0	2.18	1.787	237	72.1	0	4.36	3.574
2	110KV D/C NBT DD+6 KPTCL Design	DFR	2	118.50	36.05	0.00	2.180	1.7870	237.00	72.10	0.00	4.36	3.5740
Total				474.000	144.200	0.000	8.720	7.148					
ABSTRACT													
SL NO.	Type of Towers	Type of Foundat	No. of Towers	Excavati on	Concreting			Reinforcem ent (MT)	Provision for soil Excavation (CMT)				
					1:1.5:3	1:02:04	1:03:06		Normal Dry soil =05%	Dry fissured rock =70%			
1	110KV D/C NBT DD+3 KPTCL Design	DFR	2	237.00	72.10	0.00	4.36	3.574			29.625		
2	110KV D/C NBT DD+6 KPTCL Design	DFR	2	355.50	108.15	0.00	6.54	5.361			414.75		
Total				4.00	592.50	180.25	0.00	10.90	8.935				



Chamundeshwari Electricity Supply Corporation Limited

Est.No :-PHP-33

Date:-12.01.2024

Estimate for Shifting of existing 11KV/LT Line's and Transformer's at Chikkabyagathavalli (Old Village) to Krishnapura Village Limits For NH Road work as per the request of National Highway Division Hassan in Pauvalahippe Section, Hangarahalli Sub-Division.(under self execution)

Shifting of 11KV/LT Line's and Transformer's							
	Materials	Unit	Qty	Material Cost		Labour Cost	
				Rate	Amount	Rate	Amount
1	DP structure using 9mtr RCC poles	set	5	20553	102765	5392	26960
2	GOS set singal break 200a 11kv class	set	5	9450	47250	1104	5520
3	H-Frame for GOS mounting	set	5	4332	4543	323	1615
4	Pre-Stressed Tubler Spun pole 11 Mtr Long-500 kg	No's	37	17702	654974	4449	164613
5	RCC pole 9 mtr long,145Kg WL	No's	48	7076	339648	1742	83616
6	PSC pole 9 mtr long,200Kg WL	No's	9	4199	37791	1742	15678
7	PSC pole 8 mtr long,200Kg WL For Stud	No's	6	4199	25194	1425	8550
8	11 kV Horizontal cross arm for RCC/PSC poles	Set	24	629	15096	257	6168
9	4 pin cross arm for Climb Spun pole	Nos	288	406	116928	160	46080
10	45 kN Disc Polymeric insulator	No's	108	186	20088	0	0
11	11KV Pin Polymeric Insulators	No's	257	149	38293	0	0
12	Guy set complete	Set	25	1104	27600	593	14825
13	Spiral earth electrode	Set	94	239	22466	93	8742
14	EG Stirrups (MS) with GI wire lacing	Set	94	276	25944	16	1504
15	Road Guarding Set	93/mtr	8	5580	44640	1034	8272
16	Double Pole structure for mounting Distribution Transformer using 9mtr RCC poles	Nos	5	31554	157770	6983	34915
17	Earthing materials pipe type for grounding as per Drawing No. BESCOM/GM/CP/15 & 34/Dt: 24.10.07.	Unit	17	1729	29393	949	16133
18	Concreting materials for Guy sets(without cement)	Each	8	530	4240	250	2000
19	GI Wire 8 SWG	Kg	30	75	2251	0	0
20	Guy wire 7/10 SWG	Kg	30	77	2317	0	0
21	11 kV lightning Arrester , Metal oxide, 9kV, 5 kA	Set	15	4752	71280	119	1785
22	LT Protection kit for 25KVA	Kit	8	2023	16184	356	2848
23	LT wiring kit	Nos	8	1139	9112	0	0
24	HG Fuse, 11 kV Solid Core Type	Set	9	1069	9621	237	2133
25	11kV , 200A Single break GOS	set	4	9450	37800	1104	4416
26	H Frame Set of 200 Amps single break GOS	Set	4	4332	4543	323	1292
27	DP Sets using 9 mtr RCC	Set	4	6712	26848	3528	14112
28	Rabbit ACSR Conductor	Km	4	46234	182162	4361	17182
29	1.1 kv ,LT Aerial Bunched Cabel 3*95 + 1*70 +1*16 Sqmm Street light	Km	1	494091	316218	33109	21190
30	Releasing & Re-erection of 25 KVA Transformer	No's	5	0	0	863	8199
31	Miscellanious & un forceen	L/S			0		0
Total					2392959		518348

PART : B : DE COMMISSIONING OF ASSETS.

1	Releasing of Double Pole structure	No	5	0.00	0.00	6983	31424
3	Releasing of Psc Pole 9 mtr	No	20	0.00	0.00	1742	34840
3	Releasing Rabbit ACSR Conductor	No	1.3	0	0.00	5594	7272
4	Releasing Weasel ACSR Conductor	Km	2.64	0	0.00	3180	8395
4	Releasing of LT protection kit	Set	5	0	0.00	226	1017
5	Miscellanious & un forceen	L/S			0.00		0
				Sub Total Rs.	0.00	Rs.	82948

Asst. Executive Engineer (Ele).
O&M Sub-Division, CESC,
Hangarahalli

Junior Engineer (Ele),
Paduvalahippe Section, CESC,
Paduvalahippe.

Abstract

Materials		As per 2023-2024 CESC SR	
		Material Cost	Labour Cost
1	Part - A Extension and Shifting Of 11KV/LT Line's and transformer's	2392959	518348
2	Part -B Decommisioning	0.00	82948
Total		2392959	601296
		8221586	
			12400
3	Electrical inspectorate charges		269483
4	CGST @ 9% on Total Material + Labour Charges		269483
5	SGST @ 9% on Total Material + Labour Charges		269483
Total Estimate Cost			3545621

REPORT : This estimate for **Rs.35,45,621.00/-** for Shifting of existing 11KV/LT Line's and Transformer's at Chikkabyagathavalli (Old Village) to Krishnapura Village Limits For NH Road work as per the request of National Highway Divison Hassan in Pauvalahippe Section, Hangarahalli Sub-Division.(under self execution)

All necessary provisions are made in this estimate.

Hence this estimate may kindly be sanctioned.

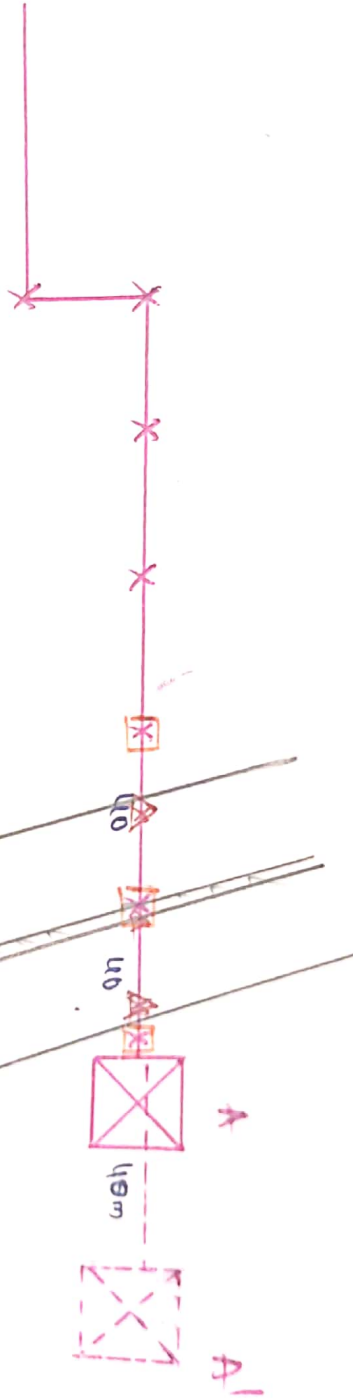
CERTIFICATE : Certified that I have personally inspected the spot and prepared this estimate in a most economical and safe way of executing the work by using current SR.


Asst. Executive Engineer (Ele),
O&M Sub-Division, CESC,
Hangarahalli


Junior Engineer (Ele),
Paduvalahippe Section, CESC.
Paduvalahippe.



Estimate for shifting of existing 11 kv LT lines and Transformers at Chikmagalur Taluk (Old Village) to Krishnagura Village limit for NH Bypass Roadwork as per the Request of National Highway Division Hassan in Padmalakshmi Section. Mangarhalli Sub Division. Under Self Execution.



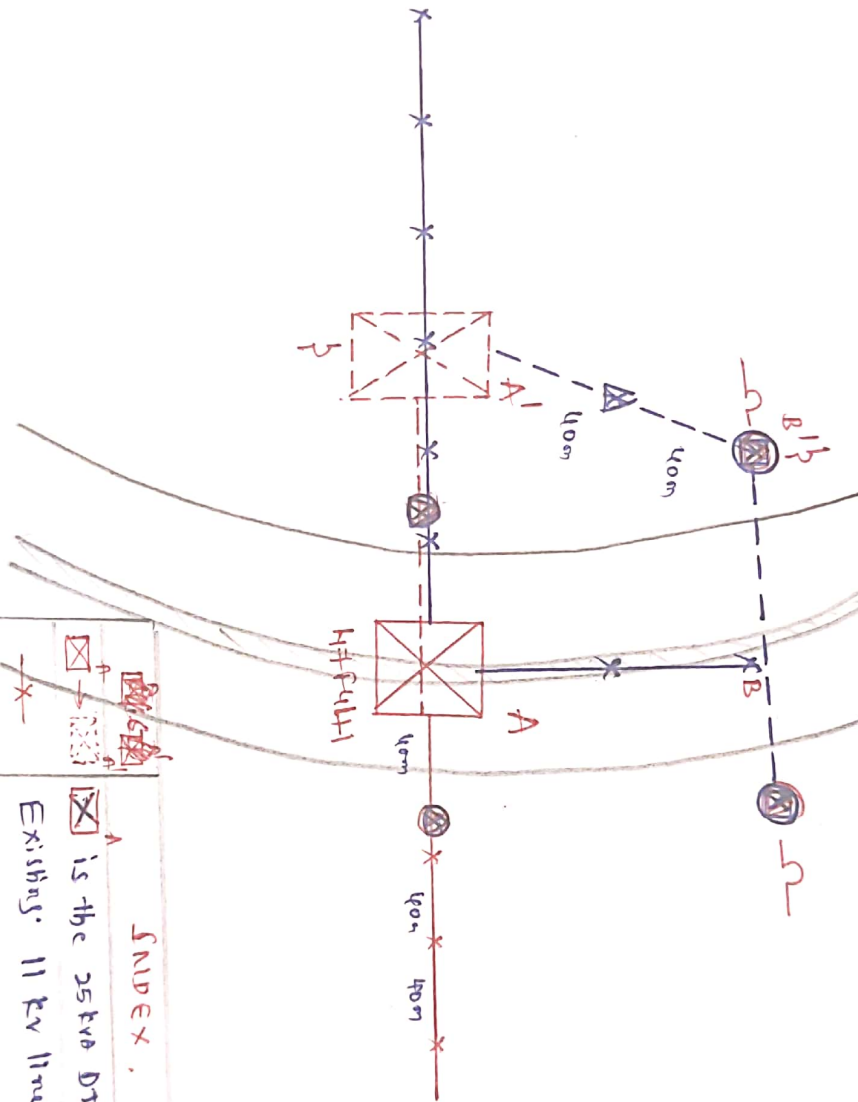
☒	A	Existing 25 kVA DTC
☒	A'	Shifted/Replaced 25 kVA DTC
☒		Purposed span pole
☒		Existing 11kv line
☒	A	Link post to be released

ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ಅಧೀನದಲ್ಲಿರುವ
ಸರ್ಕಾರಿ ಹಣಕಾಸು ಇಲಾಖೆ

ಸರ್ಕಾರಿ ಪಡುವಲಿಯಲ್ಲಿ
ಪಡುವಲಿಯಲ್ಲಿರುವ
ಸರ್ಕಾರಿ ಪಡುವಲಿಯಲ್ಲಿರುವ



Estimate for the Slipping of Existing 11kv LT Line and Transformer at Chikkrabya
 - Gokhavalli, Nindlu SE TC Neer (HFFU) to Krishnapura Village limit for N.H. bypass road work
 As per the Request of Additional Highway Division in Padmalakshmi section Changanvala sub division.



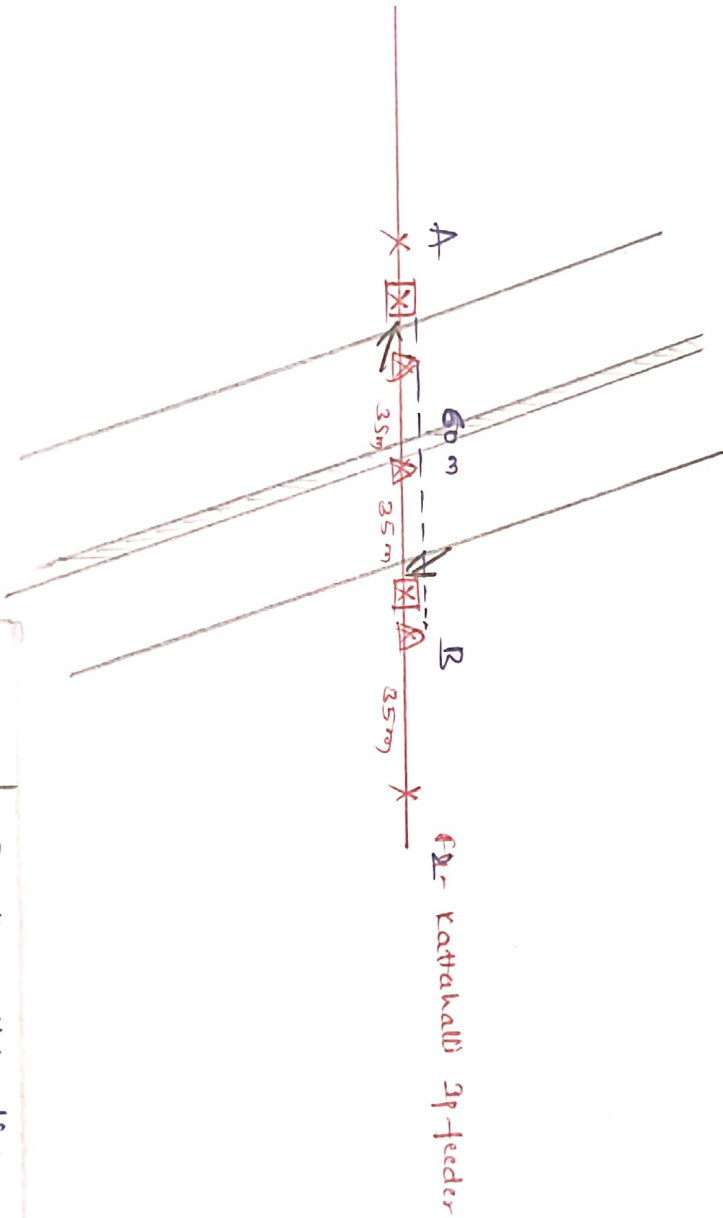
ಇದರಲ್ಲಿ ಕಾರ್ಯ ಪೂರ್ಣ ಇಂಜಿನಿಯರ್ (ಎ),
 ಸಹ ಹಂತಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
 ಸಹ್ಯ. ಪದವಿಲಹವು ಶಾಖೆ

INDEX.	
	Existing 11 kV line
	Proposed 11 kV line
	Proposed span pole 11 mtr for road works
	Proposed guy set
	The poles are to be released from ATDS
	The 15 pole defix at A' to B'

Existing LT line



Estimate for shifting of existing 11 km line at Sankarahalli (Sivagapura) to Krishnapur village limit for A.H. Bypass Road work as per the request of National Highway Division in Guduvallur Section. Tangarahalli Sub Division.

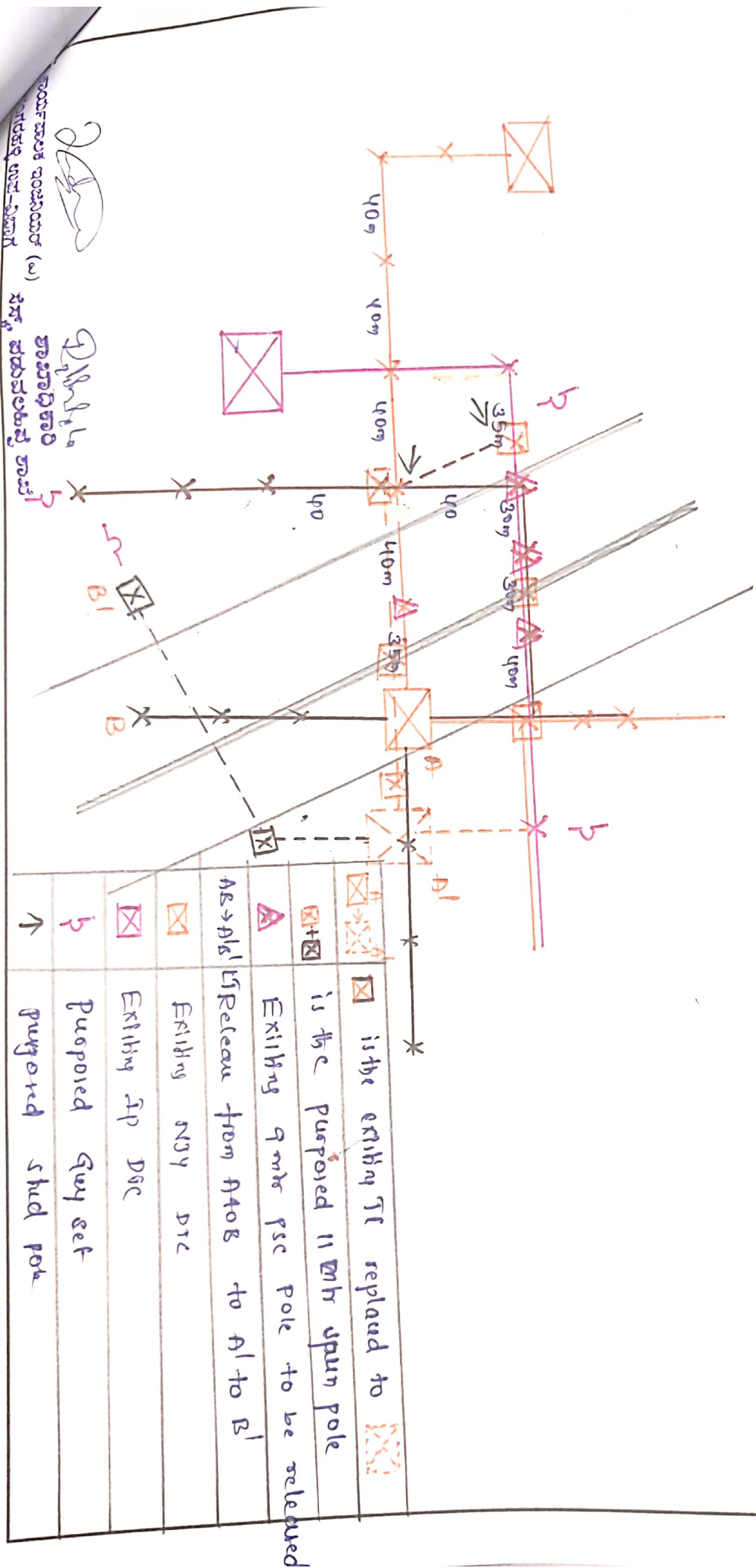


X	Exhibing 11 kv line
A	Relcaed 9 amb psc poles
☒	Paupored 11 amb Spau poles
A ----- B	The poles releace & restoring the 11 kv line
→	Paupored stud pole

ಪ್ರತಿಭಾಪೂರ್ವಕವಾಗಿರುವುದರಿಂದ (೧೪),
ಪ್ರತಿಭಾಪೂರ್ವಕವಾಗಿರುವುದರಿಂದ (೧೫)

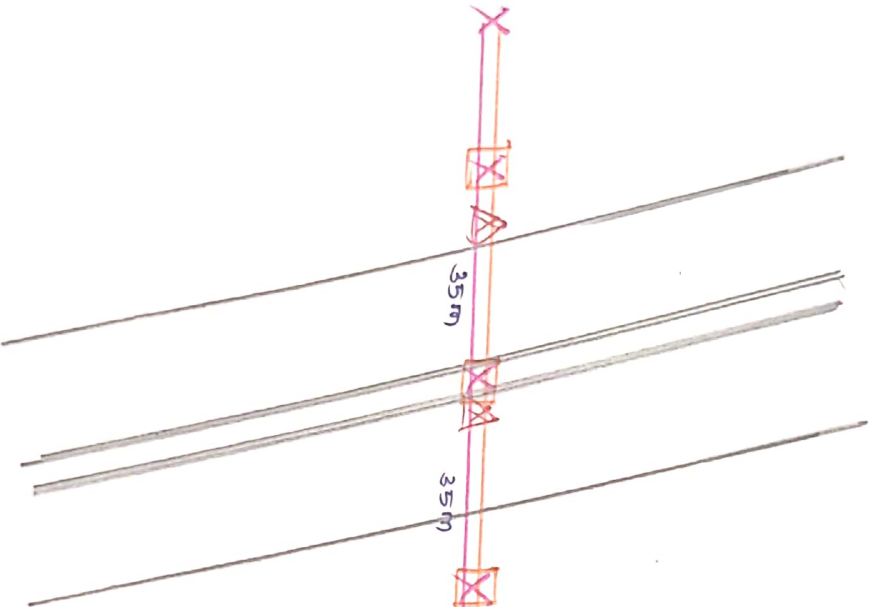
ಶಿಕ್ಷಣ
ಶಾಖಾಧಿಕಾರಿ
ಸೆನ್ಸ್, ವಡುವಲಹಿವೆ ಶಾಖೆ

Estimate for shifting of existing 11kv HT LT line's and transformers at Sankarahalli
(Kodiyanna Temple) To Krishnapura village limit for N.H. Bypass Road work as per the Request
of National Highways Division Hassan. In paduvaleppu section Changanahalli sub division.





Estimate for the Shifting to Existing at Live Krishnapura Village to Krishnapura Limit for N.H. Bypass Road work as per the Request of additional Highway Division in Paduvallur Section Changanacherry Sub Division.



F6 - Paduvallur NH feeder
F7 - Changanacherry feeder

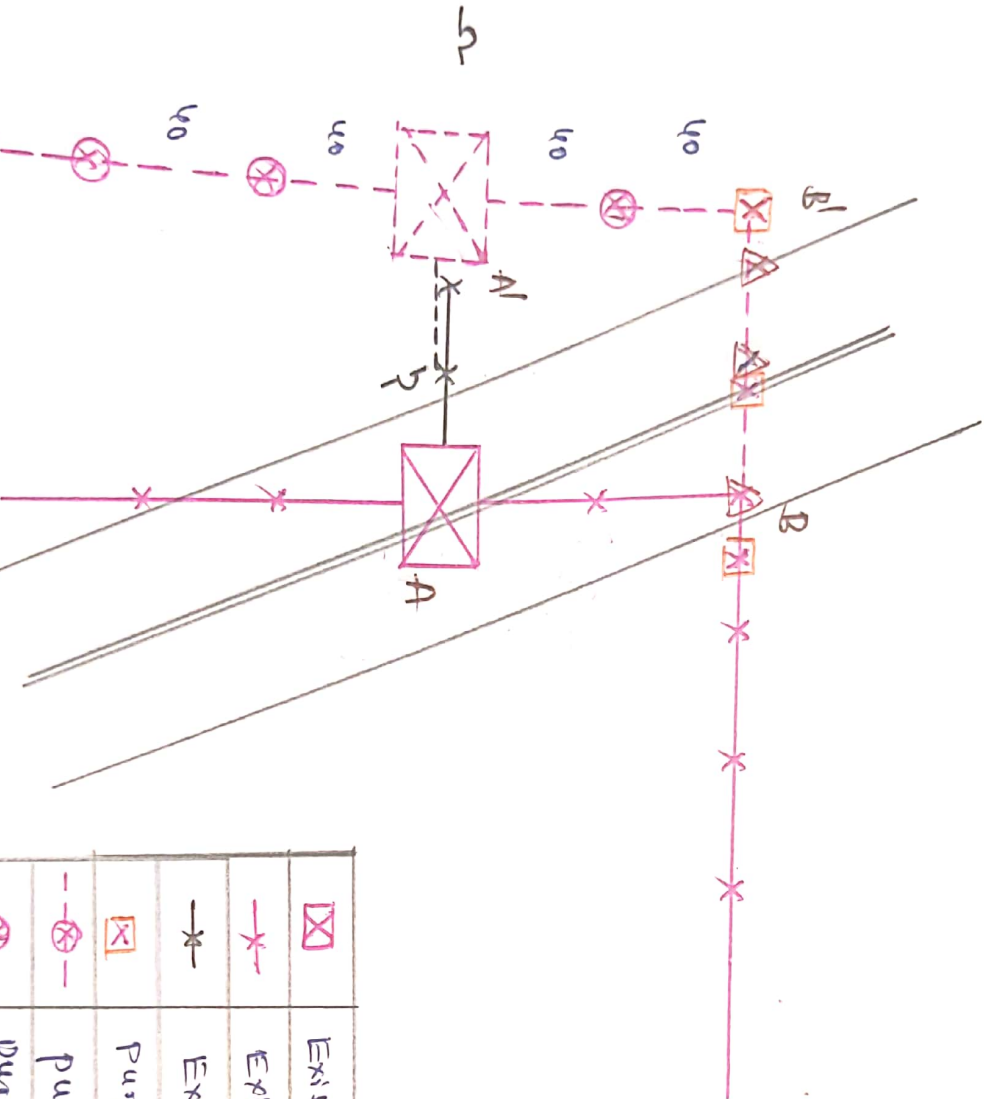
ಸುರಿಯ ಕಾರ್ಯಪಾಲಕ ಇಂಜಿನಿಯರ್ (ಎ)
ಸಿ.ಎ. ಹಂಪಟಳ್ಳಿ ಉಪ-ವಿಭಾಗ

ಶಿವರಾಜ
ಪಾವಲೂರಿಕಾರಿ
ಸಿ.ಎ. ಪದವಲೂರಿಕಾರಿ

—	Existing F6-paduvallur NH feeder
—	Existing F7-Changanacherry NH feeder
⊗	Proposed 11 mtr span pole
△	Existing 9mtr 91c pole to be retained



Estimate for shifting of existing 11kv line/ LT line and transformers at Krishnapura Agrar SC Area (4733EEF) to Krishnapura village limit for N.H. Bypass Road. work as per T&E Request. Additional highway division drawn in Paduvolalippi section. Hargopalali Sub Division.

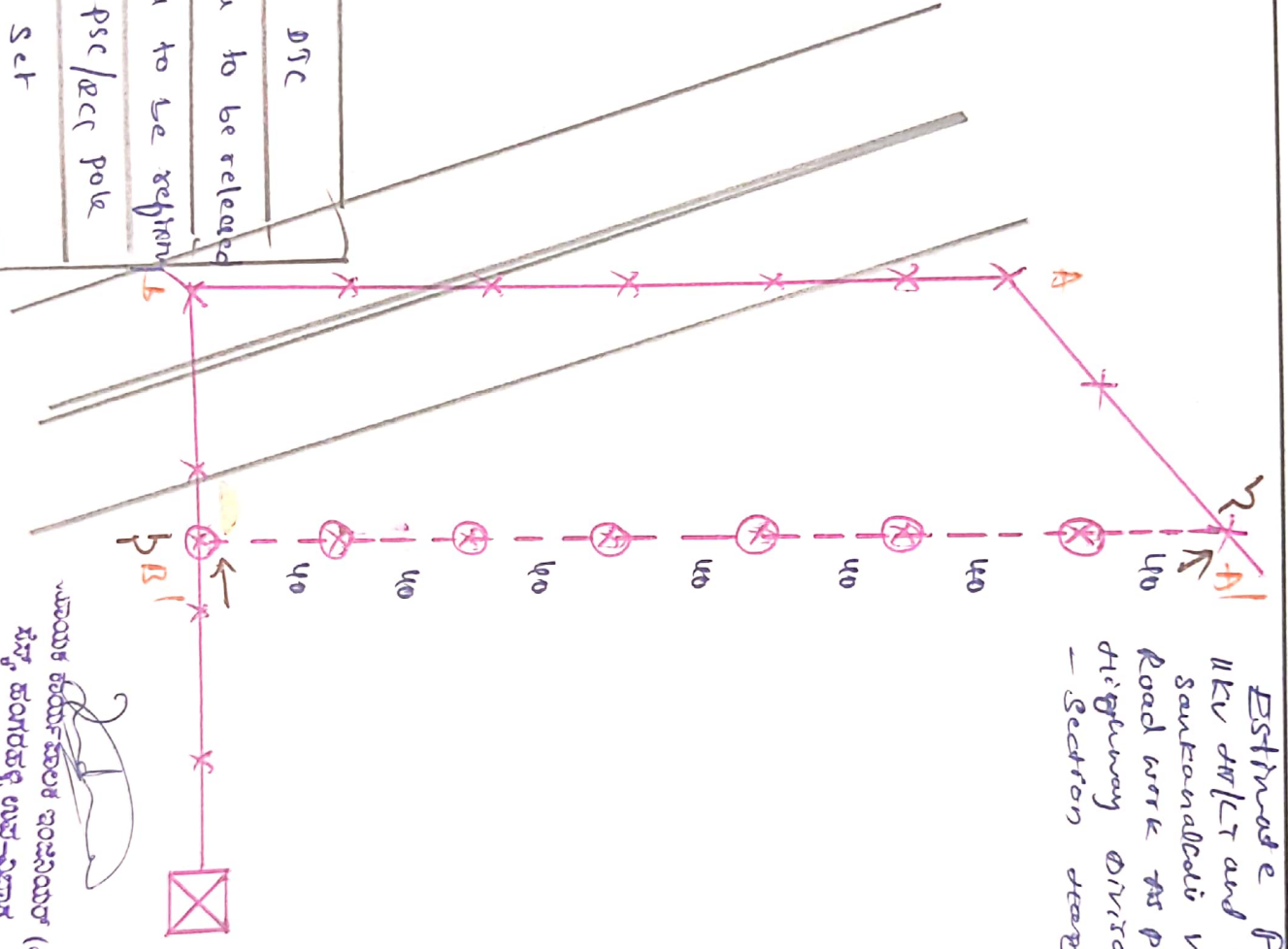


ಇದರಲ್ಲಿ ಕಾರ್ಯ ಮಾಡಿಕೊಳ್ಳಬೇಕಾದ (ಎ) ಸರ್ಕಾರಿ ಹಾಗೂ ಉಪ-ವಿಭಾಗ

ಸರ್ಕಾರಿ ಹಾಗೂ ಉಪ-ವಿಭಾಗ

☒	Existing 25 kVA DTC
✗	Existing 11 kv line to be released
✗	Existing LT line
☒	Purposed span pole
✗	Purposed 11 kv line to be reshaping
☒	Purposed 9 mtr psc/sec pole
☒	Purposed guy set
☒	Existing 9 mtr poles to be released

Estimate for the supply existing 11kv split and Transformers at Krishnagura Santanallali village limit for NH Bypass Road work as per the request of National Highway Division classed as out-of-budget - Section Santanallali Sub Division.



ಮಾನ್ಯ ಕಾರ್ಯಪಾಲಕ ಇಂಜಿನಿಯರ್ (ಎ)
ಸಿಬಿ, ಹಂಪಿ ಬಿಬಿ-ವಿಭಾಗ

ಶ್ರೀ. ಸಿ. ಸಿ. ಶಿವರಾಜ್
ಶಿವರಾಜ್ ಶಿವರಾಜ್
ಸಿಬಿ, ಪೂರ್ವಾಂಶಿಕೆ ವಿಭಾಗ

☒	Existing 25 kv/dt disc
✗	Existing 11 kv line to be released
⊗	Purposed 11 kv line to be released
⊗	Purposed 9 mtr psc/acc pole
⊗	Purposed Guy set
⊗	Purposed 9m stud pole

Karnataka Govt
Zilla Panchayath Hassan

Rural Drinking Water supply and Sanitation
Division Hassan

Rural Drinking Water supply and Sanitation Sub-
Divn No.3 Holenarasipura

Name of Work

Construction of Holenarasipura By Pass on NH-
373 in the satte of Karnataka Under NH(o) on
EPC mode under Annual Plan 2023-2024 (Water
supply)

ಅಂದಾಜು ರೂ : 57.00 Lakhs

Head of Account :- 2023-2024 Annual plan

Construction of Holenarasipura By Pass on NH-373 in the satte of
Karnataka Under NH(o) on EPC mode under Annual Plan 2023-2024
(Water supply)

ಅಂದಾಜು ಮೊತ್ತ ರೂ 57.00 ಲಕ್ಷಗಳು

ಅಂದಾಜು ಪಟ್ಟಿಗೆ ವರದಿ.

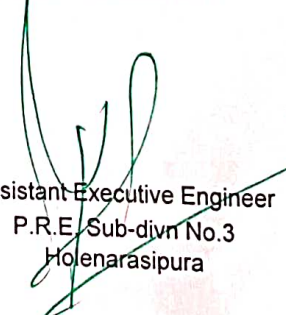
Construction of Holenarasipura By Pass on NH-373 in the satte of
Karnataka Under NH(o) on EPC mode under Annual Plan 2023-2024
(Water supply)

ಸದರಿ ಕಾಮಗಾರಿಯು ರೂ 57.00 ಲಕ್ಷಗಳಿಗೆ 2021-22 ನೇಸಾಲಿನ 15 ನೇ ಹಣಕಾಸು ಯೋಜನೆ ನಿರ್ಬಂಧಿತ ಅನುದಾನ ಯೋಜನೆಯ ಅನುದಾನ ಯೋಜನೆಯಡಿಯಲ್ಲಿ ಅನುಮೋದನೆಯಾಗಿದ್ದು, ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು ಸ್ಥಳ ಪರಿಶೀಲಿಸಿ, ಈ ಕೆಳಕಂಡ ಅವಶ್ಯಕತೆಗಳನ್ನು ಒಳಗೊಂಡಂತೆ 2019-20ನೇ ಸಾಲಿನ ಗ್ರಾಮೀಣ ನೀರು ಸರಬರಾಜು ಮತ್ತು ನೈರ್ಮಲ್ಯ ಮೈಸೂರು ವೃತ್ತ ದರಸೂಚಿಯಂತೆ ರೂ. 2.00 ಲಕ್ಷಗಳಿಗೆ ತಯಾರಿಸಲಾಗಿದೆ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಹಾಗೂ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಬೇಕಾಗಿ ಕೋರಲಾಗಿದೆ.

- 1). Earthwork exaevation for pipe line in Ordinary soil and Hard soil
- 2). Providing and Laying 63mm dia PVC 75mm 6kg/Sqcm Pipe line.
- 3). Earth filling for pipe line trenches

ಮೇಲಿನ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ರೂ. 2.00 ಲಕ್ಷಗಳಿಗೆ 2021-22 ನೇಸಾಲಿನ 15 ನೇ ಹಣಕಾಸು ಯೋಜನೆ ನಿರ್ಬಂಧಿತ ಅನುದಾನ ಯೋಜನೆ ಲೆಕ್ಕಶೀರ್ಷಿಕೆಯಡಿಯಲ್ಲಿ ಮಂಜೂರಾತಿ ನೀಡಬೇಕಾಗಿ ಕೋರಲಾಗಿದೆ.


Section Officer

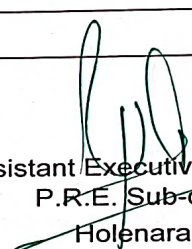

Assistant Executive Engineer
P.R.E./Sub-divn No.3
Holenarasipura

**Construction of Holenarasipura By Pass on NH-373 in the satte of Karnataka Under
NH(o) on EPC mode under Annual Plan 2023-2024 (Water supply)**

GENERAL ABSTRACT

Sl. NO	DESCRIPTION	AMOUNT
1	Providing and laying HDPE pipe line for distribution line.	2586350.00
2	Providing Pump house 2 No. Rs.	110000.00
3	Drilling of Bore wellg Borewell 2 No Rs	250000.00
4	Providing Pump and Motor 2 No Rs.	300000.00
	Total Amount Rs.	3246350.00
5	Add 18% for G.S.T.	584343.00
	Add KEB Deposit charges Rs.	1800000.00
	Total Amount Rs.	5630693.00
6	Miscellaneous and KEB Deposit	69307.00
	SUB TOTAL - Rs	5700000.00


Section officer


Assistant Executive Engineer
P.R.E. Sub-divn No.3
Holenarasipura

**Construction of Holenarasipura By Pass on NH-373 in the satte of Karnataka Under
NH(o) on EPC mode under Annual Plan 2023-2024 (Water supply)**

DETAILED ESTIMATE FOR PIPE LINE

Sl no	DESCRIPTION OF ITEMS	UNIT	No.	L	W	D	QTY	RATE	AMOUNT
1	Earth work excavation for pipeline trenches including desposing on banks upto a lead of 50 m upto 2.00 Mtr including shoring and strutting, danger lighting and using sight rails and boning rods at every 100 m wherever necessary as directed in the following strata.(Manual) (RWS SR 2019-120 P.No.26. I.No 2.22.1 & 2.22.2 & 2.22.3)								
	Near Ichanahalli								
	Raising	Cum	1	650.00	0.40	0.90	234.00		
	Distribution		1	750.00	0.40	0.90	270.00		
	Near Ichanahalli koppalu								
	Raising	Cum	1	700.00	0.40	0.90	252.00		
	Distribution		1	800.00	0.40	0.90	288.00		
	Road Crossing		10	120.00	0.40	0.90	432.00		
	MVS								
	Near Chittanahalli Village Aqueduct		1	250.00	0.40	0.90	90.00		
	Near S.Ankanahalli Village 150mm		1	300.00	0.40	0.90	108.00		
			1	500.00	0.40	0.90	180.00		
							1854.00	Cum	
	All kinds of soil			50% of Total Qty.			927.00	262.00	242874.00
	In hard soil			50 % of Total Qty.			927.00	262.00	242874.00
2	Supplying HDPE pipes conforming to IS 4984:1995 with latest amendments and conveying to work site including loading and unloading at both destination and rolling, lowering into trenches, laying true to line and jointing of pipes and specials by electrofusion welding, as per standard procedure and guide lines including encasing the pipe around to a depth not less than 15cms with cleaned soft gravel or selected earth available from the excavation etc., complete giving hydraulic test as per relevant IS Specification with all lead and lift including , testing and commissioning. The rate is exclusive of required specials and fittings etc., complete (Contractor will make his own arrangement for procuring water for testing)Upto 110mm dia,Coils shall be used. 63mm ---- The rate including with all leads, lifts,loading, unloading cost and conveyance of all materials, labour, equipments etc., complete as per The direction of The Engineer in charge of work.(RWS SR 2019-120 P.No.10. I.No 10.20.2 a.b.c.d)								
	150mm Dia		1	1050.00			1050.00	800	840000.00
	75 mm dia HDPE PN-6	RMtr	1	2550.00			2550.00	245.00	624750.00
	63 mm dia HDPE PN-6	RMtr	1	2050.00			2050.00	189.00	387450.00
3	Refilling the pipeline trenches with selected available excavated earth from trench excecavation including watering, consolidation in layers of 15 cm thick including disposing of the surplus earth with a lead & lift Compacting with vibro roller (RWS SR 2019-20 P.No.6, I.No 2.25).								
		Cum	1	5150.00	0.40	0.90	1854.00	103.00	190962.00

- Giving hydraulic test for CI/RCC/PVC/HDPE/AC pipe lines to the pressure equal to 2 times the working pressure including cost of supply of water etc., complete(up to 80mtr). (RWS SR 2019-20 (P.No.80 . I.No 10.07a.)
- 4

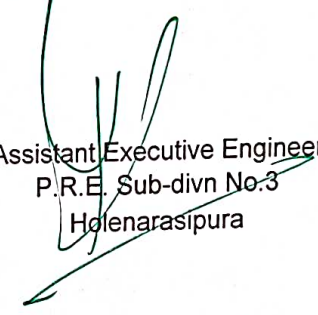
Upto 80 mm	MTR	1	5150.00	5150.00	4.60	23690.00
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5	50mm G.M.Gate valve	No	25	25	1350.00	33750.00
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TOTAL AMOUNT

2586350.00


Section Officer


Assistant Executive Engineer
P.R.E. Sub-divn No.3
Holenarasipura

Name of Work :-

Providing and Fixing pump motor at Ichanahally Village in Ichanahally GP in Holenarasipura Taluk

Sl No.	Item of work	Unit	Length	Breadth	Depth	Qty	Rate	Amount
1	2	3	4	5	6	7	8	9
1	Supply of submersible pump sets suitable for borewells of 150mm dia and confirming to indian standards specifications as per IS 8034/1989 having the declared duty conditions as detailed below as satisfying the performance characteristics for pump and motors with ISI and ISO certified company 6HP H=10stage							
		No	1			1.00	36674.00	36674.00
2	Supply and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor conforming to table 3 class 5 of Is : 8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage up to 1100 volts 2.5 sqmm of 56 strands 0.30mm dia (1) group A Ele SR 49 29)							
		Mtr	146.00			146.00	157.04	22928.00
3	Supplying Gate valve of 50mm dia							
		Each	1			1.00	1200.00	1200.00
4	Supplying Non return valve of 50mm dia							
		Each	1			1.00	1175.00	1175.00
5	Supply and delivery of Galvanised mild steel tubes heavy class (c class) with treading as per IS 1239 (part-1) 1990 with latest amendments with ISI mark (One end fitted with heavy duty collar 50mm dia							
		Mtr	72.00			72.00	624.00	44928.00
6	Providing In door type Panel Board consist of single units meter board unit and panel board unit PREC							
		Each	1			1.00	13288.00	13288.00
7	Providing Elbow PREC							
		Each	3	-		3.00	122.00	366.00
8	Providing Union PREC							
		Each	1			1.00	223.00	223.00
9	Providing Hose collar PWD XXXIII							
		No	15			15.00	103.00	1545.00
10	Providing Nipple PWD XXXIII							
		No	5			4.00	104.30	417.00
11	Errrection Electrification and commissioning works of pumpssets							
		Job work	1			1.00	5650.00	5650.00
12	Errrection of panel board							
		Eack	1			1.00	1198.00	1198.00
13	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed galvanised steel wire/steel tape armoured cable with PVC outersheating 1.1KV class 'A' PVC cable . B) 4 core 10 Sqmm cable							
		Mtr	29			29.00	297.00	8613.00
14	Laboure charges for laying of 1.1KV class 10 sqmm UG cable when supplied agency in existing trench GI pipes / stoneware pipe/on wall pole as required 6 sqmm to 16Sqmm (P. No.61 I No. 78.1)							
		Mtr	29			29.00	11.23	326.00

15	Digging of trench of 0.60M deep x 0.50 Mtr wide refilling the trench to the required ground level and consolidating etc., complete (As per civil in soil (ordinery) As per specification as directed by the Engineer in charge of work pipe/on wall pole as required 6 sqmm to 16Sqmm (P. No.61 I No. 7.8.1)							
		Mtr	19			19.00	81.12	1541.00
16	Supplying and fixing A 40 mm dia class A GI pipe on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV/ class (62 I. No. 7.1.2.1(a) 40mm							
		Mtr	3			3.00	358.80	1076.00
17	Supplying and fixing L.T. cast iron pot heads suitable for 1.1KV class UG cable filled with necessary bitumenn/insulating compound complete with termin bolts nuts and washer etc., complete (P No. 5 I. No. 2.2.1)							
		Mtr	1			1.00	583.00	583.00
18	Supplying and wiring adopting loop system in existing PVC conduit/casing caping using copper PVC insulated multi stand 2x1.5 sqmm copper wire with a 6 amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of the wires shall be terminated with suffient loose length in a wood PVC round block, complete for each outlet II point wiring using class B Materials A). short point.(P No. 5 I. No. 2.2.1)							
		No	2			2.00	165.36	331.00
19	Supplying and fixing polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws 20"x20"x2.5"(P. No.44 I No.6.6.6)							
		No	1			1.00	314.80	315.00
20	Supplying and fixing of backlite D.P. Switch with neon indicator over existing wood-board or flush mounting in plastic plate nitches. II Using Group 'B' Materials A) 32 Amps Flush/projects type DP switch (P. No.15 I No.3.3.6)							
		No	1			1.00	156.00	156.00
21	Wiring for lighting/power circuit using one of PVC insulated 1100 v grade, multis and copper conductor single core cable in open or consealed system of wiring B Group (P. No.6 I No.2.6.3)							
	a). 2.50 Sqm of copper wire P.No.61 Ino.2.6.4	Mtr	-	-	12.00	12.00	25.90	311.00
	b). 4.0 /sqm of copper wire	Mtr	-	-	16.00	16.00	37.75	604.00
22	Supplying and fixing PBBC Bakelite slant batten holder and wiring, with in 60W/230 Volts lamps (P.No.20 Ino.4.2) Group A							
		No	1			1.00	91.52	92.00
23	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers etc., complete (P.No.45 Ino.6.7.3)							
		Each	3			3.00	243.00	729.00
24	Supplying and fixing wiring heavy duty low voltage of 2 KVAR shunt capacitors comforming to IS 2834 3 phase 400/440 volts grade.							
		Each	1			1.00	430.56	431.00
25	Supplying and fixing miniature circuit brakers on existing MCB distribution boards using necessary fixing materials and 'C' type curve indicator ON/OFF energy cross-3 with short circuit breaking capacity of 10K and complete wiring as required (P.No.45 Ino.6.7.4)							
		Each	1			1.00	1608.00	1608.00

26	Supplying fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipments on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit, The pit should be filled with equal proportion of salt and charcoal 150mm around the pipe to complete depth, The connection from the pipe to the conduit etc is not to be established through GI wire of size as per ISI specification 7.3.3 of IS 732 using 12mm dia bolts, nuts, washers and checknuts etc., the pipe shall have 16 through holes of 12mm dia (P.No.55 Ino.71.)							
		Each	1			1.00	3692.00	3692.00
							150000.00	

Total amount Rs.


Section officer


Assistant Executive Engineer
RWS & S Sub-division
Holenarasipura

Name of Work :-

Providing and Fixing pump motor at Ichanahally koppalu Village in Ichanahally GP in Holenarasipura Taluk

Sl No.	Item of work	Unit	Length	Breadth	Depth	Qty	Rate	Amount
1	2	3	4	5	6	7	8	9
1	Supply of submersible pump sets suitable for borewells of 150mm dia and confirming to indian standards specifications as per IS 8034/1989 having the declared duty conditions as detailed below as satisfying the performance characteristics for pump and motors with ISI and ISO certified company 6HP H=10stage							
		No	1			1.00	36674.00	36674.00
2	Supply and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor conforming to table 3 class 5 of IS : 8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage up to 1100 volts 2.5 sqmm of 56 strands 0.30mm dia (1) group A Ele SR 49 29)							
		Mtr	146.00			146.00	157.04	22928.00
3	Supplying Gate valve of 50mm dia							
		Each	1			1.00	1200.00	1200.00
4	Supplying Non return valve of 50mm dia							
		Each	1			1.00	1175.00	1175.00
5	Supply and delivery of Galvanised mild steel tubes heavy class (c class) with treading as per IS 1239 (part-1) 1990 with latest amendments with ISI mark (One end fitted with heavy duty collar 50mm dia							
		Mtr	72.00			72.00	624.00	44928.00
6	Providing In door type Panel Board consist of single units meter board unit and panel board unit PREC							
		Each	1			1.00	13288.00	13288.00
7	Providing Elbow PREC							
		Each	3	-		3.00	122.00	366.00
8	Providing Union PREC							
		Each	1			1.00	223.00	223.00
9	Providing Hose collar PWD XXXIII							
		No	15			15.00	103.00	1545.00
10	Providing Nipple PWD XXXIII							
		No	5			4.00	104.30	417.00
11	Errrection Electrification and commissioning works of pumpssets							
		Job work	1			1.00	5650.00	5650.00
12	Errrection of panel board							
		Eack	1			1.00	1198.00	1198.00
13	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed galvanised steel wire/steel tape armoured cable with PVC outersheating 1.1KV class 'A' PVC cable . B) 4 core 10 Sqmm cable							
		Mtr	29			29.00	297.00	8613.00
14	Laboure charges for laying of 1.1KV class 10 sqmm UG cable when supplied agency in existing trench GI pipes / stoneware pipe/on wall pole as required 6 sqmm to 16Sqmm (P. No.61 I No. 78.1)							
		Mtr	29			29.00	11.23	326.00

15	Digging of trench of 0.60M deep x 0.50 Mtr wide refilling the trench to the required ground level and consolidating etc., complete (As per civil in soil (ordinary) As per specification as directed by the Engineer in charge of work pipe/on wall pole as required 6 sqmm to 16Sqmm (P. No.61 I No. 7.8.1)							
		Mtr	19			19.00	81.12	1541.00
16	Supplying and fixing A 40 mm dia class A GI pipe on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV/ class (62 I. No. 7.1.2.1(a) 40mm							
		Mtr	3			3.00	358.80	1076.00
17	Supplying and fixing L.T. cast iron pot heads suitable for 1.1KV class UG cable filled with necessary bitumenn/insulating compound complete with termin bolts nuts and washer etc., complete (P No. 5 I. No. 2.2.1)							
		Mtr	1			1.00	583.00	583.00
18	Supplying and wiring adopting loop system in existing PVC conduit/casing capping using copper PVC insulated multi stand 2x1.5 sqmm copper wire with a 6 amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of the wires shall be terminated with sufficient loose length in a wood PVC round block, complete for each outlet II point wiring using class B Materials A). short point.(P No. 5 I. No. 2.2.1)							
		No	2			2.00	165.36	331.00
19	Supplying and fixing polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws 20"x20"x2.5"(P. No.44 I No.6.6.6)							
		No	1			1.00	314.80	315.00
20	Supplying and fixing of backlite D.P. Switch with neon indicator over existing wood-board or flush mounting in plastic plate niches. II Using Group 'B' Materials A) 32 Amps Flush/projects type DP switch (P. No.15 I No.3.3.6)							
		No	1			1.00	156.00	156.00
21	Wiring for lighting/power circuit using one of PVC insulated 1100 v grade, multis and copper conductor single core cable in open or consealed system of wiring B Group (P. No.6 I No.2.6.3)							
	a). 2.50 Sqm of copper wire P.No.61 Ino.2.6.4	Mtr	-	-	12.00	12.00	25.90	311.00
	b). 4.0 /sqm of copper wire	Mtr	-	-	16.00	16.00	37.75	604.00
22	Supplying and fixing PBBC Bakelite slant batten holder and wiring, with in 60W/230 Volts lamps (P.No.20 Ino.4.2) Group A							
		No	1			1.00	91.52	92.00
23	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers etc., complete (P.No.45 Ino.6.7.3)							
		Each	3			3.00	243.00	729.00
24	Supplying and fixing wiring heavy duty low voltage of 2 KVAR shunt capacitors comforming to IS 2834 3 phase 400/440 volts grade.							
		Each	1			1.00	430.56	431.00
25	Supplying and fixing miniature circuit brakers on existing MCB distribution boards using necessary fixing materials and 'C' type curve indicator ON/OFF energy cross-3 with short circuit breaking capacity of 10K and complete wiring as required (P.No.45 Ino.6.7.4)							
		Each	1			1.00	1608.00	1608.00

26	Supplying fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipments on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit, The pit should be filled with equal proportion of salt and charcoal 150mm around the pipe to complete depth, The connection from the pipe to the conduit etc is not to be established through GI wire of size as per ISI specification 7.3.3 of IS 732 using 12mm dia bolts, nuts, washers and checknuts etc., the pipe shall have 16 through holes of 12mm dia (P.No.55 Ino.71.)							
		Each	1			1.00	3692.00	3692.00

Total amount Rs.

150000.00


Section officer


Assistant Executive Engineer
RWS & S Sub-division
Holenarasipura

Name Of Work: Sinking Borewell at Ichanahally Village in Ichanahally GP in Holenarasipura Taluk

HEAD OF ACCOUNT : Annual Action Plan Of the Year 2023-24

Sl. No.	Description of Item of work	Unit	Qty	Rate	Amount
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- Sinking bore well of 165mm dia clear using fast rig in all strata including over - burden upto 20m. Fixing of casing pipes. Collors and cap with necessary cutting. & Threading, including transportation of rig and supporting vehicle. Crew charges and cost of consumables, etc. complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding cost of casing pipes collars and cop) (CSR.2023-24 .Vol-5, P-190, Ino -12.1)

a	0 to 50 mtrs depth	Mtr.	50.00	370.00	18500.00
b	Above 50 m depth upto 100 mtrs	Mtr.	50.00	464.00	23200.00
c	Above 100 m depth upto 150 mtrs	Mtr.	50.00	493.00	24650.00
d	Above 150 m depth upto 200 mtrs	Mtr.	21.00	572.00	12012.00

Supplying of ISI Marked 175mm Nominal Bore plain end Steel casing pipe grade of steel Fe 410 of wall thickness 5.4 mm thick conforming to IS 4270-2001 and latest amendments electric resistance welded steel tube material and conforming to IS 1387/1993 & manufactured by basic open hearth electric or basic oxygen process in random length of 4 to 7 mtrs. Both ends threaded conforming to IS 554/1985 one end fixed with a socket conforming to IS 1387/1993 &

- 2 manufactured by basic open hearth electric or basic oxygen process in random length of 4 to 7 mtrs Both ends threaded conforming to IS 544/1985 one end fixed with a socket conforming to IS 4270:2001 and the other end with screwed pipes. All pipes shall be reasonable free from defects. The tubes shall be reasonably straight should be with ISI marking weighing 25.10 kg/mtr (inclusive of all taxes and duties) prices include collar medium duty. (CSR 2023-24 Vol 5, P.no 194, I No 12.32)

a	M.S. Casing Pipe 175mm dia	Mtr.	24.00	1933.00	46392.00
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- 3 Providing and laying at site of work MS casing caps as per IS 1239 (part II) 1982 with all latest amendments if any for any dia. The thickness of plate used for covering one end shall be 3mm (minimum). The dimensions of caps and collars shall be strictly as per IS 1239 (Part-II) 1982 with all amendments including cost of material and labour charges for fixing, if any etc. complete with all lead and lifts and as directed by the Engineer in charge (CSR 2023-24 Vol 5, P.no 194, I No 12.34)

Each	1.00	164.00	164.00
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Tota. Rs. 124918.00

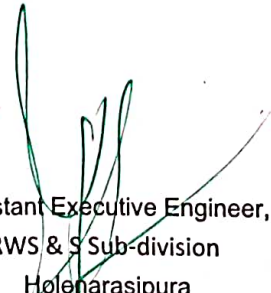
Add L.S. for Rounding off

82.00

TOTAL RS:

125000.00


Section Officer


Assistant Executive Engineer,
RWS & S Sub-division
Holenarasipura

**Name Of Work: Sinking Borewell at Ichanahallykoppalu Village in
Ichanahally GP in Holenarasipura Taluk**

HEAD OF ACCOUNT : Annual Action Plan Of the Year 2023-24

Sl. No.	Description of Item of work	Unit	Qty	Rate	Amount
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- Sinking bore well of 165mm dia clear using fast rig in all strata including over - burden upto 20m. Fixing of casing pipes. Collors and cap with necessary cutting. & Threading, including transportation of rig and supporting vehicle. Crew charges and cost of consumables, etc. complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding cost of casing pipes collars and cop) (CSR.2023-24 .Vol-5, P-190, Ino -12.1)

a	0 to 50 mtrs depth	Mtr.	50.00	370.00	18500.00
b	Above 50 m depth upto 100 mtrs	Mtr.	50.00	464.00	23200.00
c	Above 100 m depth upto 150 mtrs	Mtr.	50.00	493.00	24650.00
d	Above 150 m depth upto 200 mtrs	Mtr.	21.00	572.00	12012.00

Supplying of ISI Marked 175mm Nominal Bore plain end Steel casing pipe grade of steel Fe 410 of wall thickness 5.4 mm thick conforming to IS 4270-2001 and latest amendments electric resistance welded steel tube material and conforming to IS 1387/1993 & manufactured by basic open hearth electric or basic oxygen process in random length of 4 to 7 mtrs. Both ends threaded conforming to IS 554/1985 one end fixed with a socket conforming to IS 1387/1993 &

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a	M.S. Casing Pipe 175mm dia	Mtr.	24.00	1933.00	46392.00
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Each	1.00	164.00	164.00
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Tota. Rs. 124918.00

Add L.S. for Rounding off

82.00

TOTAL RS:

125000.00


Section Officer


Assistant Executive Engineer,
RWS & S Sub-division
Holenarasipura